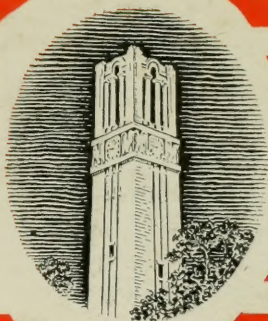


Digitized by the Internet Archive
in 2010 with funding from
NCSU Libraries

STATE COLLEGE RECORD

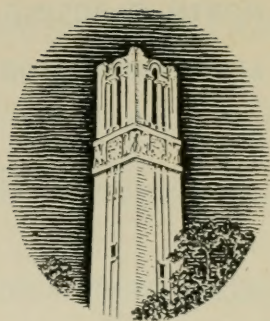


NORTH CAROLINA STATE COLLEGE

CATALOG

1957-1958, 1958-1959

NORTH CAROLINA STATE COLLEGE RECORD



NORTH CAROLINA STATE COLLEGE

OF

THE UNIVERSITY OF NORTH CAROLINA

CATALOG ISSUE

1956-1958

**ANNOUNCEMENTS FOR SESSIONS 1957-1958
AND 1958-1959**

Published monthly by the North Carolina State College of Agriculture and Engineering. State College Station entered as second-class matter October 16, 1917, at the post office at Raleigh, N. C. Under the act of AUGUST 24, 1912.

VOLUME 57 NUMBER 2 OCTOBER, 1957

**NORTH CAROLINA STATE COLLEGE OF AGRICULTURE
AND ENGINEERING • ESTABLISHED 1887**

CONTENTS

	PAGE
GENERAL INFORMATION	11
REGULATIONS AND PROCEDURES FOR STUDENTS	17
PROGRAMS OF STUDY	35
SCHOOL OF AGRICULTURE	36
SCHOOL OF DESIGN	72
SCHOOL OF EDUCATION	77
SCHOOL OF ENGINEERING	94
SCHOOL OF FORESTRY	134
SCHOOL OF GENERAL STUDIES	147
SCHOOL OF TEXTILES	151
COURSE DESCRIPTIONS	171
ALUMNI ASSOCIATION, FOUNDATIONS, PUBLICATIONS	294
SUMMARY OF ENROLLMENT	296
OFFICERS	297
INDEX	324

OFFICERS OF ADMINISTRATION

THE UNIVERSITY OF NORTH CAROLINA (Offices, Chapel Hill, N. C.) comprises North Carolina State College at Raleigh, The Woman's College at Greensboro, and The University at Chapel Hill.

William C. Friday, B.S., LL.B., Acting President
William M. Whyburn, A.B., M.A., Ph.D., LL.D., Acting Provost
William D. Carmichael, Jr., S.B. COMM., Vice-President and Finance Officer

NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING

CHANCELLOR

Carey Hoyt Bostian
"A" Holladay Hall

ACADEMIC AFFAIRS

John W. Shirley
Dean of the Faculty
110 Holladay Hall

SCHOOL OF AGRICULTURE

D. W. Colvard, Dean
115 Patterson Hall

R. L. Lovvorn, Acting Director
Agricultural Experiment Station
105 Patterson Hall

V. A. Rice
Director of Instruction
111 Patterson Hall

R. W. Cummings, Head
Agricultural Mission in Peru
Lima, Peru

D. S. Weaver, Director
Agricultural Extension Service
104 Ricks Hall

SCHOOL OF DESIGN

H. L. Kamphoefner, Dean
200 Brooks Hall

SCHOOL OF EDUCATION

J. B. Kirkland, Dean
119 Tompkins Hall

SCHOOL OF ENGINEERING

J. H. Lampe, Dean
229 Riddick Building

W. E. Adams, Director of Instruction
232 Riddick Building

N. W. Connor, Director
Engineering Research
124 Riddick Building

W. C. Bell, Director
Industrial Experimental Program
Old Ceramic Building

SCHOOL OF FORESTRY

R. J. Preston, Dean
162 Kilgore Hall

SCHOOL OF GENERAL STUDIES

C. A. Hickman, Dean
103 Peele Hall

SCHOOL OF TEXTILES

M. E. Campbell, Dean
116 Nelson Textile Building

W. A. Newell, Director
Textile Research
107 Nelson Textile Building

GRADUATE SCHOOL

D. B. Anderson, Dean
145 Gardner Hall

LIBRARY

H. C. Brown, Librarian
D. H. Hill Library

COLLEGE EXTENSION

E. W. Ruggles, Director
College Extension Division
118 1911 Building

Institute of Statistics

Miss Gertrude Cox
Director, Institute of Statistics
110 Patterson Hall

STUDENT AFFAIRS

James J. Stewart, Jr.
Dean of Student Affairs
Holladay Hall

DEAN OF STUDENTS

E. L. Cloyd
Holladay Hall

ADMISSIONS AND REGISTRATION

K. D. Raab, Director
Holladay Hall

Juanita Stott, Admin. Asst.
Holladay Hall

STUDENT ACTIVITIES

B. C. Talley, Jr., Director
Holladay Hall

RELIGIOUS PROGRAMS

O. B. Wooldridge, Jr., Director
Y.M.C.A.

MUSIC ACTIVITIES

C. H. Kutschinski, Director
114 1911 Building
R. A. Barnes, Asst. Director
114-1911 Building

COLLEGE UNION

G O. T. Erdahl, Director
College Union
R. S. Heaton, Asst. Director
College Union

STUDENT HOUSING

N. B. Watts, Director
Holladay Hall

STUDENT PERSONNEL SERVICES

COUNSELING CENTER
M. D. Caffey

STUDENT HEALTH SERVICES
J. J. Combs, College Physician
Clark Hall

STUDENT FINANCIAL AID
L. B. Rogers

AIR FORCE ROTC
Col. J. F. Risher, Jr., Professor Air Science
and Tactics
145 Coliseum

MILITARY TRAINING

ARMY ROTC
Col. R. R. Middlebrooks, Professor Military
Science and Tactics
154 Coliseum

INTERCOLLEGIATE ATHLETICS

Roy B. Clogston
Athletic Director and Director of Coliseum
102 Coliseum

DEVELOPMENT AFFAIRS

L. L. Ray, Assistant to the Chancellor in charge
of Development and Director of Foundations
"A" Holladay Hall

H. W. Taylor, Director of Alumni Affairs
Alumni Building

Rudolph Pate, Director of News Bureau
101 Holladay Hall

C. W. Hart, Assistant Director of Foundations
Holladay Hall

Santford Martin, Jr., Assistant in Development
103 Pullen Hall

BUSINESS AFFAIRS

J. G. Vann
Business Manager
105 Holladay Hall

W. M. Murray
Assistant Business Manager
"B" Holladay Hall

W. F. Fleming
Purchasing Agent
Morris Building

J. M. Smith, Director
Maintenance and Operations
College Engineer
Morris Building

James E. Fulghum
Director of Dormitory Rentals
4 Holladay Hall

A. S. Sutherland
Director of Dining Halls
Leazar Dining Hall

L. L. Ivey
Manager of Student Stores
YMCA Building

COLLEGE CALENDAR, 1957-58

FALL SEMESTER, 1957

September 16	Monday	General Faculty Meeting. 3 P.M. Freshman Assembly at 7 P.M.
September 16-Sept. 18	Monday-Wednesday	Freshman Orientation and Testing
September 19	Thursday	Freshman Registration
September 20	Friday	Upper-class Registration. Late Registration fee of \$5.00 payable by all registering after September 20.
September 23	Monday	Classes Begin
September 28	Saturday noon	Last day for Registration
October 5	Thursday noon	Last Day to Add a Course
October 12	Saturday noon	Last Day to drop a Course Without Failure
November 16	Saturday	Mid-term reports
November 27	Wednesday	Thanksgiving Holiday Begins at 1 P.M.
December 2	Monday	Classwork Resumes. Last Day for withdrawing from School without failures.
December 14	Saturday noon	Christmas Holiday Begins
January 3, 1958	Friday	Classwork Resumes
January 25	Saturday	Last Day of Classes
January 27-February 1	Monday-Saturday	Final Examinations
February 3	Monday	Awarding of Degrees for Graduating Students

SPRING SEMESTER, 1958

February 4	Tuesday	Orientation and Testing of New Students
February 5	Wednesday	Registration. Late registration fee of \$5 payable by all registering after February 5
February 6	Thursday	Classes Begin
February 12	Wednesday	Last Day for Registration
February 19	Wednesday	Last Day to Add a Course
February 26	Wednesday	Last Day to Drop a Course without Failure
March 29	Saturday	Mid-Term Reports
April 2	Wednesday	Easter Holidays Begins at 6 P.M.
April 10	Thursday	Classwork Resumes
April 12	Saturday noon	Last Day for Withdrawing from School without Failures
May 28	Wednesday	Last Day of Classes
May 29	Thursday	Reading Day
May 30-June 5	Friday-Thursday	Final Examinations
June 1	Sunday	Commencement

SUMMER SESSIONS, 1958—two six-weeks sessions

First Session

June 9	Monday	Freshman Orientation and Testing
June 10	Tuesday	Registration. Late registration fee of \$5 payable by all registering after June 10.
June 11	Wednesday	First Day of Classes
June 16	Monday	Last Day for Registration
June 20	Friday	Last Day for Dropping Courses without Failure
July 4	Friday	Holiday
July 16	Wednesday	Last Day of Classes
July 17-18	Thursday & Friday	Final Examinations

Second Session

July 21	Monday	Freshman Orientation and Testing
July 22	Tuesday	Registration. Late registration fee of \$5 payable by all registering after July 22.
July 23	Wednesday	First Day of Classes
July 28	Monday	Last Day for Registration
August 1	Friday	Last Day for Dropping Courses without Failure
August 26	Tuesday	Last Day of Classes
August 27-28	Wednesday & Thursday	Final Examinations

FALL SEMESTER, 1958

September 8	Monday	General Faculty Meeting, 3 p.m. Freshman Assembly, 7 p.m.
September 8-10	Monday-Wednesday	Freshman Orientation and Testing.
September 11	Thursday	Freshman Registration.
September 12	Friday	Upperclass Registration. Late Registration Fee of \$5.00 payable by all who register after September 12.
September 12-13	Friday-Saturday	Continuation of Freshman Orientation and Testing.
September 15	Monday	Classes Begin.
September 19	Friday	Last Day for Registration. Last Day For Refund less \$5.00 Registration fee.
September 26	Friday	Last Day to Add a Course.
October 3	Friday	Last Day to Drop a Course without Failure.
November 8	Saturday	Mid-Term Reports.
November 26	Wednesday	Thanksgiving Holiday Begins at 1 P.M.
December 1	Monday	Classwork Resumes.
December 2	Tuesday	Last Day to withdraw from School without Failures.
December 16	Tuesday	Christmas Holiday Begins at 6 P.M.
January 5, 1959	Monday	Classwork Resumes.
January 17	Saturday	Last Day of Classes.
January 19-24	Monday-Saturday	Final Examinations.
January 26	Monday	Awarding of Degrees for Graduation Students.

SPRING SEMESTER, 1959

January 29	Thursday	Orientation and Testing of New Students.
January 30	Friday	Registration. Late Registration Fee of \$5.00 payable by all who register after January 30.

February 2	Monday	Classes Begin.
February 6	Friday	Last Day for Registration. Last Day for Refund less \$5.00 Registration Fee.
February 13	Friday	Last Day to Add a Course.
February 20	Friday	Last Day to Drop a Course without Failure.
March 21	Saturday	Mid-Term Reports.
March 25	Wednesday	Easter Holiday Begins at 6 P.M.
April 2	Thursday	Classwork Resumes.
April 3	Friday	Last Day for withdrawing from School Without Failures.
May 23	Saturday	Last Day of Classes.
May 24	Sunday	Commencement.
May 25-30	Monday-Saturday	Final Examinations.

Its (N. C. State's) general purpose is to so teach the principles and application of the sciences, illustrating sound theory by daily practice, as to make of its students useful and successful men, instead of mere intelligent drones.

Alexander Quarles Holladay
President, 1889-1899





D. H. HILL LIBRARY • ONE OF SOUTH'S MOST MODERN

NORTH CAROLINA STATE COLLEGE

I. GENERAL INFORMATION

	Page
Heritage	12
Services and Divisions	13
Campus	13

NORTH CAROLINA STATE COLLEGE

ITS HERITAGE — — — — —

North Carolina State College is a community dedicated to the pursuit of inquiries into the nature of the world and man, and to the training of students in understanding and participating in such inquiries. Founded by legislative act of March 7, 1887, it is the State's technological institution of higher learning and Land Grant College.

Vitally important to the establishment of the College was the growing sentiment in North Carolina at that time to make the State more self-sufficient economically and less "dependent on the North for technical experts and manufactured articles of daily use." Further impetus was provided by the fact that although the Morrill Land Grant Act of 1862 authorized the use of public land or its equivalent in land scrip for the creation of an agricultural college in each state, North Carolina had not established such a specialized institution.

The North Carolina College of Agriculture and Mechanic Arts opened its doors for the first time on October 3, 1889, welcoming 45 students to a faculty of six teachers and to a campus of one building, one stable, two mules, one horse, and a 60-acre farm on which most of the students could "work out" their education. The first president was Colonel Alexander Q. Holladay, for whom the first building was later named.

In 1931, the General Assembly formed the Consolidated University of North Carolina, taking in the University at Chapel Hill, State College at Raleigh, and the Woman's College at Greensboro. Since consolidation, State College has developed rapidly to meet the growing industrial needs of North Carolina and the increasing interest in scientific agriculture within its borders.

Following World War II, when college personnel and facilities were involved primarily in the national defense effort, State College witnessed a tremendous expansionary movement. Returning service men nearly tripled any previous enrollment, and today's student body has stabilized at twice the pre-war level. A much expanded building program has provided more than fifteen million dollars in augmented physical facilities, so that State College today is one of the best-housed and best-equipped technical schools in the nation. Through these expanded operations, State College has grown in size and service to the people of North Carolina and in prestige throughout the nation and the world for its diverse programs in teaching, research and extension services. Now in its 67th year of service, the College has a regular enrollment averaging 5,000 in a \$30 million plant, on a campus of 72 major buildings, seven schools, 48 departments, with a teaching staff of 500 and a total staff of nearly 2,000, including administrative, extension, and research personnel across the State.

Students at State College can be justly proud of its rich heritage, including the well-trained alumni who are helping to build a better world by applying their technical knowledge to the variety of social problems that occur to men living in groups. Their important contributions range from building bridges over giant chasms to designing and constructing homes and buildings which are pleasant, comfortable and harmonious with modern ways of living; from building dams and power plants which permit irrigation and give light and power to millions; to teaching farmers all that science has learned about agriculture; from clothing the civilized world in the finest and most durable raiment the textile industry can produce to preserving and replanting our forests; from building highways throughout the land to creating new magic in chemistry and ceramics; from developing and conserving our natural resources to extending the frontiers of knowledge about all these matters through research projects.

ITS SERVICES AND DIVISIONS

The major objective of North Carolina State College is to provide an opportunity for students to obtain the highest level of specialized technical training and, at the same time, the broad general education which is a basic prerequisite to specialization. The College has taken the position that man is first a citizen and then a specialist. He must be able to participate as a full-fledged member in the life of the community and to make informed judgments about the great variety of problems which the citizen faces. In working toward this broad objective, State College is organized into seven main instructional divisions:

School of Agriculture

School of Design—Architecture and Landscape Architecture

School of Education—Agricultural and Industrial

School of Engineering

School of Forestry

School of General Studies—Humanities

School of Textiles

With the exception of the School of General Studies, each of these divisions offers numerous curricula leading to baccalaureate degrees. These curricula are explained in detail in Part III of this bulletin. In addition, through its Graduate School, the College offers advanced degrees: Master or Master of Science in various departments of the Schools of Agriculture, Education, Engineering, Forestry and Textiles; Doctor of Philosophy in certain curricula in Agriculture, Engineering, and Forestry. The School of General Studies, while it does not grant degrees, works with all State College students in the areas of the liberal arts. It is that part of State College especially concerned with the nature of man, the ideas and institutions which he has built and which in turn have helped to shape his nature, the relation between him and his fellows, and the world in which he lives.

Other divisions of the College are the North Carolina Agricultural Experiment Station, The College Extension Division, The North Carolina Agricultural Extension Service, and The Institute of Statistics. Allied agencies with headquarters on the campus include the United States Bureau of Mines Regional Laboratories; the state office of the Agricultural Stabilization and Conservation Administration; and offices of the State center of the United States Department of Agriculture.

The services of State College reach the citizenry of the state through six principal ways: (1) resident instruction; (2) off-campus instruction in established courses through the College Extension Division; (3) off-campus demonstration through the Agricultural Extension Service; (4) special instruction in technical institutes; (5) industrial and agricultural research—both basic and applied; and (6) direct contact with the home through the media of radio and television. All of the research and instruction at State College are keyed to problems in the economic and cultural life of the State and region, and seek to extend the agricultural and industrial development of the whole area.

ITS CAMPUS

In the broadest sense, the campus of North Carolina State College extends, through its services, to the boundaries of the State and beyond into the whole southern region. But the focal center of these widespread activities is the college campus in Raleigh, the State's historic capital city, where students have access to a rich reservoir of art treasures, library facilities, churches, and other cultural assets.

Adjoining the central campus at Raleigh are the college farms: 545 acres for poultry, 1,300 acres for dairying, and additional plots allocated to laboratory forest woodlands, swine, beef-cattle, and sheep farms operated by the Department of Animal Industry, and experimental plots for the Horticulture Department. In addition to these holdings in the Raleigh area, the State College Experiment Station operates a number forest farms in every climatic and geographical area of the state, and the School of Forestry has large holdings of experimental woodlands in the Coastal Plain, the Piedmont, and the mountain regions of North Carolina.

Recent building additions to the main campus include two new dormitories, eleven new and four renovated teaching, research-extension buildings, a new library, Reynolds Coliseum, a modern College Union, and a nuclear reactor for the development of peacetime atomic research. The State College campus has grown from colonial and classical architecture on the old or east campus to the latest expression in modern architecture on the new or west campus. Good examples of the traditional east campus are Holladay and Pullen. Good examples of the modern west campus are the College Union and Burlington Laboratory.

Of the buildings, new and old, a few deserve special mention:

The Memorial Tower . . . a 116-foot campanile of white Mount Airy granite, designed by William Deacy, begun by alumni in 1921 as a monument to the 33 State College men who lost their lives in World War I, expanded in 1937, and completed in 1949.

Andrew Johnson House . . . birthplace (1808) of the 17th President of the United States, a tiny, gambrel-roof frame structure, removed from original site on Fayetteville Street to Pullen Park, and in 1937 moved here (admission on application to keeper).

Holladay Hall . . . oldest building on campus, once the total college plant, now completely remodeled inside, housing central administration.

The YMCA . . . a traditional landmark in the heart of the old campus, recently remodeled, serving the religious and social life of the college.

William Neal Reynolds Coliseum . . . one of America's largest indoor stadiums, seating 12,500 for sports events and more for stage events using the floor, attracting nation-wide basketball games, ice-shows, agricultural meetings, symphonies, variety shows, and lecturers.

Burlington Laboratory . . . home of the Nuclear Reactor, which has attracted national attention as first nuclear pile to be used entirely for teaching and research, first to be operated on any college campus as a non-AEC reactor, first to be open for public inspection.

D. H. Hill Library . . . a modern building providing shelves for 400,000 volumes, designed to seat 900 readers, with dozens of private study carrels and conference rooms and well-lighted-ventilated reading rooms. Collection now 140,000 excluding gov't documents and pamphlets.

College Union . . . one of nation's most modern student-faculty activities centers, with a main lounge, cloak room, snack bar, dining room, 2 private banquet rooms, ballroom, self-operating elevator, several telephones, direct telegraph connection, TV sets, Quiet Room, library game room, barber shop, 160-seat theater, private rooms with a private balcony, 7 meeting rooms, and hobby shop.

The Print Shop . . . one of the finest college printing plants in the nation, using one of the larger cylinder presses, automatic stapling and folding equipment, and other regular presses, linotype machines and equipment for printing, binding, designing, and ruling.

Clark Infirmary and Leazar Dining Hall . . . modern buildings, well-equipped for their services to the student body.

Other points of interest . . . are the modern greenhouses accompanying Williams, Gardner, and Kilgore halls; Animal Disease Laboratory, Pulp and Paper Laboratory, and TV Studios along Western Boulevard, Frank Thompson Gym and Riddick Stadium.

May it (N. C. State) rejoice in work, not dreaming dreams but doing deeds.

May it ennoble toil, abolish drudgery, harness nature to human service, and create for all mankind larger and better health, wealth, comfort, and happiness!

May its mission in life, its achievements in education, its brilliant guiding star be the wise words of the sacred seer: "There is nothing better than that a man should rejoice in his work"

George Tayloe Winston
President, 1899-1908





THE COLLEGE UNION • A HOME AWAY FROM HOME

II. REGULATIONS AND PROCEDURES FOR STUDENTS

	Page
Admission Requirements	18
Residence	20
Grades and Scholarship	20
Tuition and Fees	22
Student Activities and Services	25

ADMISSION REQUIREMENTS — — — — —

First, an application form must be submitted. These forms, which indicate completely what information is required, may be obtained from and should be submitted to:

Director of Admissions
Holladay Hall
North Carolina State College
Raleigh, North Carolina

Applications for admission will be considered between February 1 and September 1 for the fall semester; and between October 1 and January 1 for the spring semester. For admission of Graduate Students, see the special catalog of the Graduate School which may be obtained from:

Dr. D. B. Anderson, Dean of the Graduate School
Gardner Hall
North Carolina State College
Raleigh, North Carolina

Courses of study at North Carolina State College assume the entering student has competence in oral and written expression, efficient study and reading skills, the mathematical skills normally gained in secondary school instruction, and broad preparation in approved fields of study. By recent action of the Board of Trustees all students entering any unit of the Consolidated University in September, 1957, and later will be required to show competence by making satisfactory scores on entrance examinations.

The College enrolls undergraduate students in four classifications: regular (degree-seeking students); special (no college credit); unclassified (may be changed subsequently to regular status using credits earned while unclassified); and auditor (no credit).

To be admitted to a department as a regular, degree-seeking student, freshmen must submit a certificate of graduation from an accredited high school or, in the case of graduation from a non-accredited high school, pass a special entrance examination. Regular, degree-seeking transfer students must present official transcripts of work taken at other institutions. Detailed regulations which apply in all cases are discussed in the following paragraphs and should be examined carefully by the prospective student.

ADMISSION BY CERTIFICATE OF GRADUATION — — — — —

The applicant should be (a) at least 16 years of age; (b) of sound moral character; and (c) the graduate of an accredited high school. He should present at least 15 units of completed high school work, 8½ of which are distributed as follows:

English (or English and Speech)	4 units (see below)
Mathematics	2½ to 4 units (see below)
History and Social Science	1 or 2 units (see below)
Natural Science	1 or 2 units

The remainder of the 15 units will be accepted from other courses, except that not more than one unit will be accepted from activity courses such as physical education, music, band, or military science.

ENGLISH COMPOSITION

All students entering North Carolina State College for the first time are tested for their proficiency in using the English language. Students deficient in this area are required to take a special non-credit course in English composition and to make satisfactory progress in the work before taking the regular credit course in English. Students who make high

marks on this examination and who demonstrate unusual proficiency in special written exercises may be excused from taking the regular credit course in English composition. Instead, they receive credit for the course and proceed to advanced courses.

Foreign students who do not have a satisfactory command of English are required to take special courses in English for Foreign Students until they are skillful enough in the language to continue their work.

MATHEMATICAL PREPARATION

Since mathematics is of such great importance in present-day technical curricula, State College requirements are somewhat rigorous in this area of the student's preparation. One and one-half units of algebra and one unit of plane geometry are considered minimum preparation for all curricula. Students presenting only one unit of algebra or no plane geometry must take special non-credit courses to meet these deficiencies. Courses scheduled to meet deficiencies in these areas will not carry college credit. Registration in regular college courses in mathematics will be delayed until this work is completed. Students in Engineering, Architecture, Agricultural Engineering, Agricultural and Biological Chemistry, and Mathematics Education are required to present solid geometry for admission. A special non-credit course is offered for applicants who have not taken the work in high school. This deficiency must be removed before the student begins his regular mathematics sequence in curricula named. It is wise for the student planning to enter any of these curricula to make every effort to complete required courses in mathematics in high school before applying to State College, or to take them in summer school, or by correspondence, at the College prior to entering as a freshman in the fall.

HISTORY AND POLITICAL SCIENCE

If the student does not offer American History for admission, he must complete one semester of American History or American Government as part of his college program. If he is officially registered for the course, he will receive college credit for it. Foreign students are required to complete a course in American History before graduation.

— — — — — ADMISSION BY SPECIAL EXAMINATION

Students who have been graduated from non-accredited high schools and mature students who have not completed high school work may qualify for acceptance as students working for a degree by passing entrance examinations. These examinations will cover approximately the work expected of regular high school graduates.

— — — — — ADMISSION AS A MATURE SPECIAL STUDENT

Mature students who do not wish to work for a degree may be admitted to the college in this category upon recommendation of the Dean of the school concerned and upon submission of satisfactory records of education and experience. The usual college entrance requirements may be waived for mature students, but regular college rules of scholarship will apply after admission. The special student may not represent the College in any inter-collegiate contest or become a member of any fraternity, professional or social.

— — — — — ADMISSION AS AN UNCLASSIFIED STUDENT

Admission as an unclassified student requires the recommendation of the Dean of the school in which the student wishes to enroll. Unclassified students must meet the same requirements as regular students and must adhere to the rules and regulations of the College. If at a later date an unclassified student wishes to change to regular status, his credits must be evaluated for his major. Credits earned by the student while he is unclassified will be accepted only if he has completed the proper prerequisites. Where credit is allowed, the student will receive the grades he earned in the courses accepted for credit.

ADMISSION BY PRESENTING EVIDENCE OF CREDIT EARNED FROM ANOTHER ACCREDITED INSTITUTION OF HIGHER LEARNING — — —

All students who transfer to State College from other colleges must present official transcripts of work taken at the other institutions. A complete separate, official transcript must be sent directly to the Admissions Office from each institution attended. The prospective transfer student must be eligible to return to the institution last attended. The student's record, if of average grade or above, will be evaluated by the Dean or Director of Instruction of the School in which the student wishes to register. A \$2.00 transcript evaluation fee, payable to the Office of Registration, is charged for this service. Evaluation by the school will be final. Students whose records show below average work cannot be admitted to State College unless such admission is approved by the Admissions Committee. Failure of the student to present transcripts from all colleges previously attended may result in his dismissal from College.

ADMISSION AS AN AUDITOR — — — — —

Students who wish to audit courses must obtain the permission of the instructor and department head and register through the Office of Registration. The participation of auditors in class discussion or in tests or examinations is optional with the instructor. Auditors receive no credit for the course; they are, however, expected to attend classes regularly.

RESIDENCE — — — — —

State College is unable to accept all the out-of-state applicants for admission. By trustee action, the College can accept only highly qualified out-of-state students. The administration has ruled that all students whose parents have not been domiciled in North Carolina for more than six months immediately preceding the day of their first enrollment in the institution shall be termed out-of-state students, with the following exceptions:

Students twenty-one years of age at the time of their first matriculation who have resided in North Carolina for more than one year, other than by virtue of attendance at another college or temporary military assignment, preceding the day of their first enrollment.

Children of regular employees of the Federal Government stationed in the State of North Carolina; and

Children of regular employees of the Federal Government who are employed outside of the State, but who through law are permitted to retain their North Carolina citizenship.

The furnishing of incomplete or incorrect information regarding residence may result in the student's dismissal from college.

The Registration Office determines each student's residence status on the basis of existing information and interpretation of regulations. Appeals from such classification may be made to the Consolidated University Administration on forms obtainable from the Registration Office.

GRADES AND SCHOLARSHIP — — — — —

North Carolina State College operates on a credit-point system. Semester credits represent the number of hours of work completed; quality points are determined by the grades earned.

A	Excellent	4 quality points for each credit hour.
B	Good	3 quality points for each credit hour.
C	Average	2 quality points for each credit hour.
D	Passing	1 quality point for each credit hour.
F	Failing	0 quality point for each credit hour.

Inc. Incomplete

Abs. Absent from examination

EXPLANATIONS

At the discretion of the teacher, a student who has at least a C average in a course may be given an **incomplete** grade for work not completed because of a serious interruption in the student's work not caused by his own negligence. An incomplete grade must be made up during the next semester the student is in residence, unless the department involved is not able to allow the make-up. In this latter case, the department will notify the student and the Office of Registration when the incomplete must be made up. Any incomplete not removed during the period specified by the department will automatically become a failure and will be recorded as "Fi".

A grade of "Fa" is recorded for an unexcused absence from examination. If an absence from examination is excused by the Dean of Students, the student must take the examination during the next semester he is in residence or a grade of "Fa" will be recorded.

A grade of "Fd" is posted if a student has unofficially dropped a course for which he has been scheduled, or if he had officially dropped after the final date for dropping courses without failure. A failure may be made up only by repeating the subject. Such a repeat course must be regularly scheduled on the student's roster.

NOTE: Any student who fails a course within two semesters of graduation and who fails only one course during that semester may apply to the Office of Registration for permission to remove that failure by standing for reexamination on the total subject matter of the course.

If a senior fails more than one course during the semester and removes all but one of these deficiencies by repeating the course or courses, and if he has not had another reexamination, he may apply at the end of his last semester in residence for permission to take a reexamination.

When such a reexamination is taken to remove an "F", only the reexamination will be counted. And a senior who has passed a reexamination will have his grade for this course changed from "F" to "R", which is equivalent in quality points to a grade of "D". A fee of \$5.00 will be charged for such a reexamination.

During the first two years of residence at this institution and the summer sessions immediately following (or until 65 semester hours have been earned in residence and/or by transfer), students may repeat courses passed for the purpose of improving their understanding of the basic subject matter. Such a repeat must be made in the next subsequent semester in which the course is offered. When a course is repeated, both grades will be considered in the college scholarship standards. Thereafter a student may repeat a course previously passed only by auditing the course. At the student's request, the teacher may allow an auditor full participation in all class activities. Courses audited will count the same as credit courses in computing a student's academic load.

Students progress from one class to a higher class after they have completed the required number of hours for the higher classification. At the present time students are classified at the beginning of the fall semester and at no other time.

Professional (School of Design)	140 or more semester hours
Freshman	1-29 semester hours of earned credit
Sophomore	30-64 semester hours of earned credit
Junior	65-99 semester hours of earned credit
Senior	100 or more semester hours of earned credit

At the end of his freshman year, a student must have an over-all 1.5 average (1½ times as many quality points as total hours carried) to be eligible to continue. A freshman must meet this requirement by the end of the summer after he has completed two full semesters (not necessarily both in one school year or at this institution.)

At the end of his sophomore year, and each succeeding year, a student must have an over-all 2.0 average (twice as many quality points as total hours carried) to be eligible to continue. A student must meet this requirement for the first time by the end of the summer after he has completed four full semesters (not necessarily all in two school years). A transfer student (with or without credit) who has attended some other college as much as two semesters must meet this requirement the first both in one school year or at this institution).

Any student who falls below a 1.5 average for the work scheduled for any semester will be placed on scholastic probation, and will have his course load for the succeeding semester regulated by his Dean or Director of Instruction. A student is scholastically eligible for graduation when he has satisfied all the specific requirements of his department, the School, and the College, and has at least a C average, twice as many quality points as total credit hours taken.

TUITION AND FEES — — — — —

Charges for tuition and fees vary according to (1) the student's status as a resident or non-resident of North Carolina at the time of his first enrollment; (2) type of student (regular undergraduates, special or unclassified undergraduate, auditor or graduate student); and (3) to a minor degree the curriculum in which the student is enrolled.

An application for admission must be accompanied by an application fee of \$5. This fee is refunded to students whose applications are not approved. It is forfeited by applicants who are accepted but who do not enroll.

Tuition and fees are payable in advance each semester, prior to registration day, upon receipt of a statement from the College Cashier (students desiring to do so may pay monthly installments, upon approval of application to Business Office.) All charges are subject to change without notice, but the charges in effect currently are as follows:

Regular Undergraduate Students:

School	In-State Students		Out-of-State Students	
	First Semester	Second Semester	First Semester	Second Semester
Agriculture	\$145	\$138	\$320	\$313
Design	144	138	319	313
Education:				
Agricultural Education	145	138	320	313
Others	142	136	317	311
Engineering	144	138	319	313
Forestry	154	138*	329	313*
Textiles	144	138	319	313

* Add \$10 if not registered in first semester.

Late Registration Fee—All students, graduate and undergraduate, who fail to register on dates scheduled must pay a \$5.00 late registration fee.

Special and Unclassified Students:

These students, if living in the college community or registering for more than six hours of course work, will pay full undergraduate tuition and fees. If living outside the college community and carrying six hours or less, these students will pay each semester a registration fee of \$5, plus \$7.50 per credit hour if residents of North Carolina or \$15.00 per credit hour if non-residents.

Auditors:

Subject to academic regulations regularly enrolled undergraduate students may audit courses without additional charge. Those not regularly enrolled, or registering for audits only, will pay the rates applicable to special or unclassified students.

Graduate Students:

Applicants interested in graduate work may receive a schedule of fees upon application to the Graduate School.

Commencement fee:

A fee of \$7, covering cost of diploma and rental of cap and gown, is charged candidates for the baccalaureate degree during the last semester before the degree is awarded.

Deposits:

(a) As partial security for military uniforms, library books, laboratory equipment, etc., a general deposit of \$20 is required to be paid by regularly enrolled undergraduate students at the time of their first enrollment (see also under "Refunds").

(b) Certain departments are allowed to collect small deposits in addition to the general deposit referred to above, for such things as room keys, lockers, etc. In such instances departmental regulations will apply.

Staff:

Full-time staff members may register for course work at a flat rate of \$15 per semester. The number of courses allowable will be limited by administrative regulations. This payment does not include non-academic fees, and none of the privileges attendant upon the payment of such fees are allowed.

Audits:

Subject to academic regulations, regularly enrolled graduate or undergraduate students may audit courses by registering for them. The first audit will be disregarded in determination of course load on which tuition and fee payments are based, but any additional audits are to be added to the course load at full credit hour value. Students registered for audits only will pay the rates applicable to special or unclassified students. Full-time staff members may register for and audit one course per semester without charge.

Professional students in engineering:

Students in the various fifth-year professional curricula described on pages 133-134 of catalog will be charged on same basis as "Special and Unclassified Students."

Thesis preparation:

Graduate students who have completed course requirements and are in residence for thesis work only will be charged \$15 per semester for tuition, plus all non-academic fees. Graduate students not in residence who have completed all requirements for the degree sought except for the thesis will be required to register for the term in which final requirements for the degree are to be completed and pay \$10 tuition fee.

— — — — — **ROOM RENT**

Rooms in the College dormitories rent for \$69.50 per semester including a key deposit of \$2.00. Janitorial service is supplied, but each

student is required to furnish his own linens, blankets, and pillow. Room rent is payable in advance prior to the beginning of each semester, at times announced by the Supervisor of Dormitory Rentals. Room rent is charged strictly on a semester basis. If a student occupying a room during the first semester reserves and pays rent for the second semester, he may leave his belongings in the room between semesters. If, however, a student occupying a room during the first semester does not reserve it for the second semester, he must vacate the room and turn in his keys at the end of the first semester. Rent will be charged at the rate of \$1.00 per day between terms and until the room is vacated and the key turned in. All rooms must be completely vacated and keys turned in at the end of the second semester, except those rooms which have been reserved for the summer session. These rooms must be vacated at the end of the summer session.

BOARD

Meals are served cafeteria style, and the cost depends upon the individual student. Average cost would be approximately \$500 per year.

BOOKS AND SUPPLIES

The cost for books and supplies is variable, depending upon the curriculum in which the student is enrolled. A reasonable estimate would be \$75 per year, but students who have to buy drawing supplies and slide rules have an additional original outlay. All books and supplies are paid for in cash as purchased.

ESTIMATED ANNUAL COST

Total expenses of a full-time student from North Carolina, exclusive of clothing, pocket money, travel, and other incidentals, need not exceed \$1,100. Out-of-state students will need an additional \$350.

PAYMENT SCHEDULE

Tuition and fees are payable in advance each term, on registration day. Students desiring to do so may pay on an installment basis, but must apply to the Business Office for such privilege prior to registration day. A service charge of \$1 per semester is made for this arrangement. Any payment, either regular or installment, not made when due requires an additional late payment charge of \$1.

LATE REGISTRATION

Registration schedules are set for specific days, and certain definite procedures are outlined. A student has not completed registration until all the required steps are taken. All students, graduate and undergraduate, who fail to register on dates scheduled must pay a \$5.00 late registration fee.

REFUNDS

TUITION AND FEES

A student who withdraws from school on or before the last day for registration will receive a refund of the full amount paid, less a \$5 registration fee. On withdrawal later than the period specified, no refund will be made.

ROOM RENT

A student who withdraws from school will receive a refund of the amount paid for room rent, less \$1.00 per day for the time the room is occupied. A student who vacates his room for any reason will receive no refund.

GENERAL DEPOSIT

The general deposit is refunded when a student has completed the requirements for a degree or has dropped out of school. The student must apply to the Business Office for the refund. Refund will be made by check within 30 days after the application is received.

REFUND COMMITTEE

In some instances circumstances justify the waiving of rules regarding refunds. An example might be withdrawal from school, because of illness. Students have the privilege of appeal to the Refund Committee when they feel that special consideration is merited. Applications for such appeals may be secured from the Dean of Students.

— — — — — STUDENT ACTIVITIES AND SERVICES

State College makes every effort to provide the student with surroundings which are pleasant and conducive to intellectual growth. Respecting the student as an individual, the college assures him the maximum of personal liberty within the limits necessary for orderly progression of classwork and consistent with respect for the rights of others. In return, he is expected to pay serious attention to his purpose in attending college and to observe rules of conduct consistent with maturity. Through the various services and activities identified with everyday life on the campus, as well as through the several extracurricular organizations and functions, the student at State College has excellent opportunity for acquiring experience in group leadership and community living which he may take with him into his professional career.

As the student progresses in his development, especially after his freshman year, he will find many opportunities to increase his growth in citizenship by participating in the activities of his academic class and of the student body in general. Following is a survey of the various activities at State College.

— — — — — STUDENT GOVERNMENT AND HONOR SYSTEM

When he enters State College, the student becomes a member of a self-governing community.

Legislative, executive, and judicial authority, insofar as student affairs are concerned, rests with the Student Government which operates within the framework of over-all college Administration. The Student Government members and Judicial Board members are elected in campus-wide elections. The Student has a voice in his own government by participating in these elections. Often in general elections he is asked to vote on proposed changes in regulations which affect the student body or on changes in the Student Government constitution.

The student also becomes part of an Honor System which expects him to adhere to its general aims: honesty in classwork and honor in general conduct.

— — — — — CLUBS AND SOCIETIES

Through the various honorary, professional and technical, and social organizations at State, the interested students find many opportunities to participate in activities that appeal to them and to meet others who have similar interests.

College Honorary

Golden Chain—Senior leadership

Blue Key—Junior leadership

Thirty-and-Three—Sophomore leadership

Phi Eta Sigma—Freshman scholarship

Phi Kappa Phi—Scholarship, Seniors and Graduate Students

Professional and Technical

Each school at State College sponsors or supervises a large number of professional and technical societies and clubs. Students in every area of instruction are encouraged to join with their fellow students in pursuing their common interests. Many of these organizations contribute greatly to the student's professional and social growth.

Social Fraternities

Seventeen national social fraternities have chapters at State College. Each has two representatives on the Interfraternity Council, which has as its objectives promoting the general interests and welfare of the associated fraternities and insuring cooperation between them in their relations with the faculty, the student body, and the public in general.

— — — — — STUDENT PUBLICATIONS

State College has a large number and variety of publications, both general and School-sponsored, edited and managed by student officers, with faculty members serving as advisers. Any student who wishes to

may gain journalistic experience and training in writing, editing, or managing regular journals and annuals.

The three general publications, *The Agromeck*, *The Student Broadcasting System* and *The Technician* are supported in large part by a publication fee, which is a part of each student's fees.

The Agromeck is the College Yearbook, providing a record of the classes and of the principal events of the school year. It recalls in pictures the varied activities of the student body throughout the year. *The Agromeck* is published for the entire student body under the sponsorship of the senior class.

Although it is not a "publication" in the strictest sense of the word *The Student Broadcasting System*, a carrier-current station with coverage limited to the campus, serves the same function through a different medium. It offers many opportunities for extra-curricular training in actual broadcasting techniques as well as training in administration and program planning. A member of the Intercollegiate Broadcasting System, the station is now preparing to receive and rebroadcast programs from other colleges and universities.

The Technician is the student newspaper, issued once a week and delivered to the dormitories and fraternity houses. Students living off the campus receive their copies of the newspaper by mail. *The Technician* serves as a forum for student expression as well as a medium for news of particular interest to State College students. Each incoming student receives a copy of *The Tower*, the College handbook, which contains detailed information about student organizations and activities.

Several of the Schools have their own publications, which are published under the general supervision of the particular School and deal with material of special interest to students in that School.

These publications include *The Agriculturist*, published by the School of Agriculture; *The PI-NE-TUM*, published by the School of Forestry; *The Southern Engineer*, published by the School of Engineering; *The Textile Forum*, published by the School of Textiles; and the *Publications of the School of Design*.

ATHLETICS — — — — —

In addition to voluntary programs of intramural and intercollegiate sports, State College requires freshmen and sophomores to enroll in credit courses in physical education.

INTRAMURAL

The college maintains an extensive program of intramural sports which is administered by the Department of Physical Education. Participation in these sports is purely voluntary; it does not receive college credit. Competition in twelve sports is engaged in by dormitory and fraternity leagues.

Sports used in the intramural program are correlated with those used in the required class work in physical education. Instruction in the sports is given in the classes, and opportunity for competition is provided in the intramural program. Winners in these competitions are awarded cups, shields, and trophies. An Intramural Advisory Board composed of representative students assists the director of the intramural program.

For intramural competition as well as for classes in physical education, Frank Thompson Gymnasium has a swimming pool, a large playing area for basketball, an auxiliary gymnasium with three handball courts, a room for wrestling, a locker room, and showers. Several fields are provided for intramural and recreational play. Five semi-hard-surface and nine hard-surface courts are available for tennis, with additional courts contemplated.

INTERCOLLEGIATE

Intercollegiate athletics at State College come under the supervision of a separate department of the college; policies governing intercollegiate

competition are recommended however, by the Athletic Council, composed of faculty, students, and alumni, in full accord with Atlantic Coast Conference rules of eligibility for intercollegiate contests. Membership of the Atlantic Coast Conference comprises, in addition to State, Duke, Wake Forest, the University of North Carolina at Chapel Hill, Maryland, Clemson, and South Carolina.

The program in intercollegiate athletics consists of the organization and training of "Wolfpack" teams in football, basketball, baseball, track, cross country, wrestling, swimming, tennis, golf, soccer, fencing, and rifle competition.

Facilities for intercollegiate athletics at State include Riddick Stadium, a 20,000-seat stadium for football; William Neal Reynolds Coliseum, a 12,000-seat arena for basketball; a 1,200-seat stadium for track; a 2,500-seat for baseball; four football practice fields; 12 tennis courts; a 25-yard swimming pool in Frank Thompson Gymnasium; and facilities in the Coliseum for wrestling, fencing, and other sports.

MUSIC

Students with previous experience find at State College many opportunities to continue their music, both vocal and instrumental. The State College Band and the Drum and Bugle Corps furnish music for all military parades by the ROTC. Freshmen and sophomores who are accepted on the basis of auditions and band requirements may enroll in the Band and receive credit for required military drill. The Band plays and marches at football games and at other campus and civic affairs. Membership in the Band comprises both ROTC and non-ROTC bandsmen. After football season, the Band becomes the Concert Band, which plays frequent concerts on the campus. Credit is offered in the third and fourth years of participation.

The Concert Orchestra is composed of State College students and a number of Raleigh musicians. The orchestra presents frequent concerts, and smaller units from it provide music for numerous College functions.

The Men's Glee Club alternates with the orchestra and bands in giving concerts both on the campus and out of town.

STUDENT CENTERS

Students at State College find that a great deal of their extracurricular activity centers around two buildings, the College YMCA and the College Union. The YMCA has long served the College as a social and recreational center. With the completion of the new College Union Building, facilities for student affairs have been tremendously expanded. For the past several years the College Union has provided State College students with entertainment and with opportunities and facilities for recreation and relaxation. In 1954, for the first time, the Union had a building of its own. The newly completed building, realization of a dream of many years, offers to both students and faculty a variety of features. On the ground floor are a snack bar, a small dining room, game rooms, a barber shop, and free telephones. The main floor has an assembly and ballroom, a library, lounges, a gallery area for exhibits, and facilities for two small dining rooms. The second floor contains the College Union offices, a photographic darkroom, guest rooms, a quiet room, a room for listening to music, a theatre, a workshop, meeting rooms, and student organization offices.

The College Union serves a great many purposes. Its most obvious function is to provide a center where students can have fun and meet their friends. Through its widely varied program, however, it serves a deeper function—by introducing the student to the art of leisure-time living and by providing opportunities for leadership. Further, the College Union provides a showcase where students may display their talent in the form of exhibits, workshops, and entertainment which they have pro-

duced. Each student is invited to work on one of the College Union committees and to take an active part in the Union program.

In addition to the functions and activities housed in the College Union Building, many other activities, especially those of a religious, spiritual, and devotional nature, are sponsored by the State College YMCA and are held within its facilities. It offers to the students an attractive lobby equipped with writing and reading tables and comfortable chairs, a television room, four conference rooms where student and faculty groups may meet, a small auditorium, and a recreation room.

The Danforth Chapel provides a place for religious services and meditation for all faiths.

The YMCA plans social events and lectures on various topics related to student life in addition to, or in connection with, its programs of religious emphasis.

In addition to those offered by the YMCA and the College Union buildings, many other services and facilities for which there has been a long felt need at State College are provided in the new D. H. Hill Library.

The D. H. Hill Library, which started serving students and faculty in the fall of 1954, was designed to provide space for all the varied functions that a modern library must perform. Ample stacks were so planned that the present collection of 157,000 books and over 3,000,000 documents could be quadrupled and still housed properly, that photoprinting and microfilming could become a feature of the library service, that the periodicals, numbering nearly 2,000 currently received, could be effectively processed and displayed, and that the building could be a welcome and satisfactory working center for the faculty and the students.

In the attractive lobby of the building there is arranged a collection of books for recreational reading. Students may explore this area as they please and check out the books of their choice. The big West Reading Room, colorful, well-lighted and interesting, is an invitation to study, and on the top floor is a special smaller study open to the students who prefer to work in a more secluded place. For the graduate students there are desks and private lockers in the stacks and, adjoining the ground floor stacks, a large and pleasant room where faculty members and graduate students may smoke and read. In addition to these facilities, there are several conference rooms open to any college groups requesting them, several rooms which can be temporarily assigned to faculty members, and, on the second floor, a room containing a rental typewriter available to any person in need of one. The Library is certainly a place for work, for acquiring technical knowledge; it can also be a place for discovering all the wealth of pleasure and of widened understanding which books can bring to the student who decides he does indeed desire to become a man of education and of stature.

HOUSING

At State, the dormitory is considered something more than merely a suitable place for living and studying. A well-organized dormitory program plays an important role in the student's all-around development. Under the program, each dormitory is organized much like a club, with officers elected by the residents, and paid student managers recommended by the dormitory officers and approved by the college. Each student is encouraged to participate in the athletic, social, and recreational activities of his dormitory and in this way to have opportunity to meet and make friends with students of variant backgrounds, to use his leisure time pleasantly and profitably, and to grow in personality. Each dormitory elects its representatives to the Interdormitory Council, a student organization which coordinates interdormitory activities and programs. In each of six major dormitories a faculty couple occupy an apartment and act as host and hostess. They assist the occupants with their problems and provide a pleasing atmosphere in which the parents and friends of the occupants can visit the dormitory.

The College has no dormitory for women students. Co-eds must make their own housing arrangements. A list of available rooms for rent is maintained at the Dormitory Rental Office in Room 4, Holladay Hall.

For the married veteran, the college has units equipped for family living located in Vetville. Vetville has its own community government with officers elected by the residents.

During the 1955-56 academic year, approximately 350 students lived in off-campus residences maintained by the seventeen social fraternities which have chapters at State College. Each chapter is represented in the Inter-Fraternity Council, which sponsors athletic events and social functions of particular interest to fraternity members.

FOOD SERVICES

The State College student does not have to travel far for food, whether it is a full meal or a between-class snack.

Leazar Hall, the main dining hall, provides four cafeteria lines where the student may secure nutritious food at reasonable prices. The cafeteria will accommodate 1,600 people an hour.

The new College Union building offers dining room facilities for groups and a snack bar. Shuttle Inn in the Textile Building serves sandwiches and light meals. Shuttle Inn is operated by the Student Supply Store.

In addition, each dormitory area has its own snack bar, also operated by the Student Supply Store system.

LAUNDRY AND DRY CLEANING

The college laundry provides on-campus laundry and dry-cleaning service on a cash-and-carry basis for both students and staff at inexpensive rates.

BARBER SERVICE

Two barber shops are provided, one in the YMCA Building and one in the College Union.

BOOKS AND SUPPLIES

Watauga Book Shop. All required textbooks and other books of current and permanent interest can be purchased in Watauga Book Shop, housed in the basement of Watauga Hall.

Book Exchange. Alpha Zeta, student honor fraternity, maintains a book exchange in College Union where students may exchange or sell used books.

General Supplies. The Student Supply Store, located in the basement of the YMCA Building, stocks a wide variety of general items which the student will need, including drawing instruments, writing supplies, and incidentals.

HEALTH

The college seeks to safeguard the health of the student in every way possible. It maintains a 76-bed infirmary, open 24 hours a day, with a staff of nine: the college physician, a supervising nurse, a night supervisor, five general duty nurses, and one full-time laboratory and X-ray technician. Among the many valuable features of the infirmary are an up-to-date first aid department and X-ray department.

The college physician observes regular daily office hours in the infirmary, in the mornings, with afternoon visits on Sunday. In addition, he visits the infirmary more often when necessary. A graduate nurse is on duty day and night. Students have free access to the infirmary at all times.

In case of accident or serious illness of a student, parents or guardians will be notified immediately by the Director of Student Personnel. No

surgical operation will be performed without full consent of parents or guardians, except in cases of extreme emergency.

The medical fee which each student pays provides for infirmary service, general medical treatment, and for the services of nurses. It does not provide surgical operations, outside hospital care, or the services of dentists or other specialists.

Before the student enters college he should have a complete, thorough examination by his family physician. Any abnormality should be noted and all remedial defects corrected in order to prevent unnecessary loss of time while the student is in college. If the examination is not done before he enters, the student will be given a physical examination at the college, for which a fee is charged. Blanks for the physical examination can be secured from the Office of Registration.

Student Government sponsors annually a plan of students' accident insurance. During 1955-56, arrangements were in effect with the Pilot Life Insurance Company whereby an accident policy costing \$7.00 per year for male students and \$5.00 per year for female students was available on an optional basis. It is planned to have a similar policy available each year for which complete information will be furnished students before the opening of school.

ORIENTATION

Several days before the registration of upperclassmen in the fall semester, freshmen arrive on the college campus for a series of activities known as Freshman Week. This is the new student's first experience with college life. To help him with the transition from high school to college and to help him become acquainted with the campus and with college regulations, the college arranges during this period a series of meetings and conferences with faculty and with student leaders.

Orientation activities begun in Freshman Week are continued throughout the first semester. A series of all-freshman assemblies cover topics of general interest and supplement orientation courses arranged by the individual schools. The individual schools provide for regular contact with faculty advisers for small-group conferences or individual meetings, so that each student will have the opportunity for discussion of matters connected with adjustment to college life.

COUNSELING: STUDENT QUESTIONS AND PROBLEMS

General. The general information center for students at State College is located in Holladay Hall including the offices of the Dean of Student Affairs and those of administrators handling attendance, student activities, student housing, orientation and counseling, and student financial aid.

Academic. Upon enrolling at State College, each student is assigned to a faculty adviser, usually a member of the department in which the student is taking his major work. This faculty adviser works with the student in planning his program of studies and is available for other help in solving problems of an academic nature. The deans, directors of instruction, and department heads are also available to the student to help him get information about the different curricula and to help him think through his educational plans. Teachers of courses in which the student is enrolled are the best sources of help with particular subjects. Members of the teaching staff maintain a schedule of office hours and expect the student to consult them individually wherever special help is needed. Coaching classes are held in mathematics, chemistry, and physics, as a supplement to regular class instruction.

Dormitory Counseling. Each of the dormitories at State College has a building manager, an upperclassman with the qualification for and responsibility of helping individual students in his dormitory, particularly freshmen, in any way he can. Floor managers and, in many cases, assis-

tants chosen on the same basis, assist the dormitory manager. Whenever these managers cannot answer particular questions or give aid in solving special problems, they direct the student to the administrative official who can. Also, in some of the larger dormitories, faculty couples are quartered, to provide the influence and assistance that such mature persons can give.

Financial Problems. The Student Financial Aid Office in Holladay Hall provides the contact with the North Carolina State College Scholarship and Student Aid Committee, whose functions are discussed in the next section. Information about various aid possibilities, applications for grants or loans and help in obtaining part-time employment are available at the Student Financial Aid Office.

Vocational Testing and Counseling. Psychological tests and counseling are available to any student at the Counseling Center in Holladay Hall. Students who are undecided about curriculum choice and ultimate vocational goals may find it profitable to avail themselves of this service.

Placement. Each of the degree-granting Schools at State College provides its students with assistance in obtaining employment during summer vacation and upon graduation. In some curricula a period of approved summer work is required for graduation.

FINANCIAL AID FOR STUDENTS

The program of financial aid for State College is administered by the Student Financial Aid Officer under the general direction of the North Carolina State College Scholarship and Student Aid Committee. This committee, with representation from the various Schools and other agencies interested in providing such aid. It has the responsibility not only of awarding grants and scholarships to deserving students but also of considering with the student his entire plan for financing his education and assisting him to make effective use of available resources.

Financial aid for students is divided into two classifications: (1) general scholarships, grants-in-aid, loans, athletic awards, and self help (these are administered generally by the central committee); (2) restricted scholarships; fellowships (these are administered by or through the Schools or Departments of the college).

General Scholarships are those which are available to State College students without regard to curriculum.

Grants-in-aid are awards in varying amounts, normally not to exceed \$200. They are awarded to deserving students from funds derived from the State of North Carolina Escheats Fund and from a portion of the earnings of the Student Supply Store.

Loans on a long-term basis are made to deserving students who can meet legal requirements for proper notes. Ordinarily the student does not make payments on the principal until after leaving the college permanently. Short-term emergency loans up to \$50 are also available from the Student Government Loan Fund.

Athletic-Grants-in-Aid are made to athletes who are deserving and of good character. These awards are made from funds provided by the Wolf-pack Club and the North Carolina State College Educational Trust Fund.

The *Self-Help* program provides an employment service for students who desire part-time work to assist themselves financially. Jobs are available both on and off campus.

Restricted Scholarships are those which are awarded to students in particular curricula. These are available in the Schools of Agriculture, Design, Education, Engineering, Forestry, and Textiles from funds made available by individuals, groups, and industrial and business organizations.

Periodically, the Scholarship and Student Aid Committee publishes a full listing of scholarships and awards available both to entering freshmen and upperclassmen. Copies of these listings may be secured from the Student Financial Aid Office.

FELLOWSHIPS AND GRADUATE ASSISTANTSHIPS

Graduate fellowships are funds offered to graduate students to assist in the support of programs of advanced study. Holders of fellowships have no obligations to the college and may devote full time to the prosecution of their graduate programs. Funds for these fellowships are provided by various professional groups and business organizations.

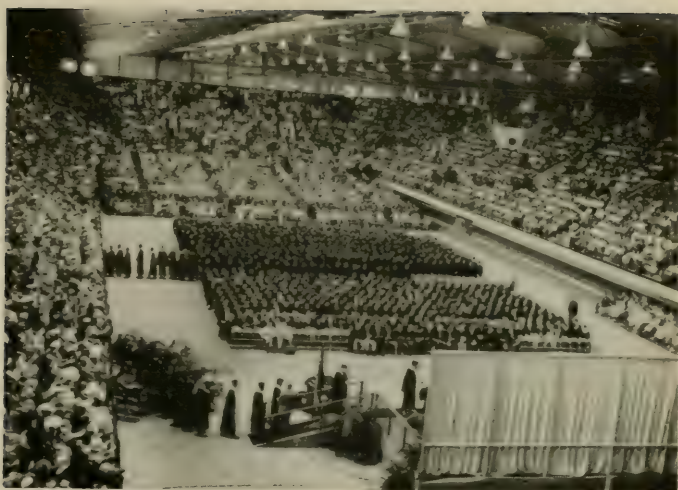
Graduate Assistantships are granted to selected students who devote some part of their time to service duties for the college. Teaching assistantships carry a stipend of \$1200 for the academic year and permit a holder to enroll for sixty per cent of a full course load. Stipends for research assistantships range from \$1500 to \$2100 for a 12-months appointment.

. . . the two supreme temporal needs of North Carolina today are (1) a race of farmers so intelligent, so thrifty, so capably fitted that it can win from the soil a more adequate return for its labors and thereby add to its comfort and education and wealth of the State. . . .

. . . and (2) a specifically educated class of men who can turn our raw products into more highly organized wares and who can skillfully and unhesitatingly lead the industrial progress of our people. To contribute more and more each year to the rearing of such men is the mission of our college.

Daniel Harvey Hill
President, 1908-1916





SEVEN SCHOOLS • SERVING OVER 5,000 STUDENTS

III. PROGRAMS OF STUDY BY SCHOOLS

	Page
School of Agriculture	36-69
Agricultural Experiment Station	69
Agricultural Extension Work	70
School of Design	72-76
School of Education	77-93
School of Engineering	94-133
School of Forestry	134-146
School of General Studies	147-151
School of Textiles	151-163
Graduate School	163
College Extension Division	164
Military Training	165

SCHOOL OF AGRICULTURE

D. W. COLVARD, DEAN

R. L. LOYVORN, DIRECTOR OF INSTRUCTION

INTRODUCTORY — — — — —

Agriculture was man's first profession. It is also his most important one because, "without food nothing else matters." North Carolina has more farmers than any other state in the nation. Only three states outrank it in cash value of farm crops produced and only about 20 states now outrank it in value of livestock and livestock products. Differences in soil, rainfall and altitude within its borders offer a wide variety of choice in agricultural production in the state. Graduates of the School of Agriculture have other choices than that of farming for their life's work. Many continue their studies in various graduate schools as preparation for resident or extension teaching, or for careers in research. Many others enter business careers in fields closely allied to agriculture.

The overall objective of the School of Agriculture is the development of well-rounded, educated persons capable of playing important parts in the task of providing for the basic needs of mankind—food, clothing, shelter.

For success in the School of Agriculture, a student should be equipped with the necessary tools of science, mathematics and language or at least show an aptitude for these fields. The student's first two years in the School of Agriculture are devoted quite largely to the sciences, mathematics, English, economics together with some beginning courses in agriculture.

More specifically, the objectives of the School of Agriculture are:

To obtain through scientific research, experimentation, and demonstration accurate and reliable information relating to soils, plants, and animals, and to obtain from every available source reliable statistical, technical, and scientific data relating to every phase of agriculture that might be of advantage to the State;

To provide instruction in the College for young men who desire to enter the field of general agriculture, or to become professionals in agricultural education or specialists in any field of science related to agriculture;

To disseminate reliable information through publications and through extension agents, and by the wise use of this information to give instruction to agricultural workers on the scientific, experimental, and practical progress in various lines of agriculture.

Agriculture has always been an art but today's agriculture is firmly based on science thereby requiring that students become thoroughly grounded in science, both physical and biological. Nevertheless, breadth of training and understanding should not be sacrificed to narrow specialization in any field. Studies in language, history, philosophy—the humanities and social sciences in general—are therefore assigned as prominent a place as possible in all agricultural curricula at North Carolina State College.

CURRICULAR OFFERINGS AND REQUIREMENTS — — — — —

A freshman student in the School of Agriculture will have an ultimate choice from among 25 curricula. As a freshman he may enroll in the General Agriculture curriculum or in one of 5 specialized curricula. If he enrolls in General Agriculture he will major in his upper-class years in one of a total of 19 optional curricula offered in the following departments which function as major fields of special interest. Some of

the particular phases of the work in each department are indicated herewith:

Agricultural Economics—Farm Marketing and Farm Management
Animal Industry—Animal or Dairy Husbandry or Nutrition
Botany—Bacteriology, Plant Physiology
Entomology—Toxicology, Insect Control
Experimental Statistics—Planning, Interpretation
Field Crops—Production, Plant Breeding
Genetics—Hereditary Transmission, Cytology
Horticulture—Fruit, Ornamental or Vegetable Crops and Processing
Plant Pathology—Disease Identification and Control
Poultry Science—Breeding, Management, Marketing
Rural Sociology—Human Relations, Group Behavior
Soils—Genesis and Classification, Chemistry, Physics, Microbiology, Conservation and Management
Zoology—Animal Ecology and Physiology, Wildlife Conservation and Management

A freshman student on the other hand may choose to go into any one of five specialized curricula immediately. These are as follows:

Agricultural Engineering—Farm Structures, Soil and Water Conservation Engineering, Rural Electrification, and Farm Machinery
Mechanized Agriculture—Farm Structures, Soil and Water Conservation, and Farm Machinery
Chemistry—Agricultural and Biological
Dairy Manufacturing—Market Milk, Butter, Cheese, Ice Cream
Wildlife Conservation and Management

A Pre-Veterinary curriculum is available to students as part of a working agreement with two Southern Veterinary Colleges. After the completion of the prescribed work (usually 3 years) 8 North Carolina students are selected each year to attend the University of Georgia Veterinary College and 4 to attend the Veterinary College at Oklahoma A & M College at in-state rather than out of state tuition rates. The first year's work (up to 42 credits) at either Georgia or Oklahoma may be transferred to North Carolina State College and counted toward graduation requirements for a B.S. degree from N. C. State in the General Agriculture curriculum with a major in Zoology, Animal Industry or Poultry Science.

In the case of all students in the School of Agriculture, required or elective courses must be taken from at least 6 departments (other than major department) in the Schools of Agriculture and Forestry—exclusive of 1 credit courses. Exceptions may be made with the approval of the Director of Instruction. (See also Experimental Statistics page 52.)

Students excused from required Military or Air Science and/or Physical Education must earn equivalent credits in the Humanities and/or Social Sciences.

The Departments listed above as offering major field work in General Agriculture in upper-class years and those offering specialized curricula throughout 4 years are discussed in the following pages. Mechanized Agriculture will be found under the Department of Agricultural Engineering; Dairy Manufacturing under the Department of Animal Industry; and Wildlife, Zoology and Pre-Veterinary under the Department of Zoology.

AGRICULTURE

DEGREES — — — — —

The degree of Bachelor of Science is conferred upon the satisfactory completion of one of the curricula in this School,

The degree of Master of Science is offered in the various departments in the School of Agriculture upon the satisfactory completion of the stipulated requirements.

The degree of Doctor of Philosophy is offered by the following departments: Agricultural Economics, Animal Industry, Dairy Manufacturing, Botany, Entomology, Experimental Statistics, Field Crops, Genetics, Plant Pathology, Soils and Zoology.

Further information may be found in the Graduate School Catalog.

OPPORTUNITIES — — — — —

Classification of career opportunities in agriculture could be made in a variety of patterns. The Association of Land Grant Colleges recognizes 8 categories as shown in the accompanying tabulation. The broad field of agriculture presently needs 15,000 agricultural graduates per year but is now getting only 8,500. Opportunity is written large before any agricultural college graduate, although a young person should never lose sight of the fact that the most important thing in the world is to find work that one really loves. In Agriculture there are 8 general fields of opportunity;

- Farming—Crops, Livestock, Fruits, Vegetables, Specialties, etc.
- Research—Production, Marketing, Processing, etc.
- Industry—Meat, Dairy, Poultry, Feed, Fertilizer, etc.
- Business—Grading, Marketing, Credit, Cooperatives, etc.
- Education—College, Secondary, Extension Teaching, etc.
- Communications—Writing, Reporting, Radio, Television, etc.
- Conservation—Soil, Water, Range, Forest, Wildlife, etc.
- Services—Inspection, Regulation, Plant & Animal Quarantine, ect.

Probably no field offers more diverse career opportunities than the field of agriculture. From the cloistered life of the researcher in his frock coat to the business dress of thousands of people supplying the needs of farmers or processing and marketing the manifold articles originating in agriculture's fields, ranches, or barns and on to the blue jeans of the actual producers, there is opportunity to challenge the best in modern American youth. If your interest lies anywhere in this broad field, The School of Agriculture at North Carolina State College will welcome you. The large faculty (150 well-trained persons) and diverse programs of study are dedicated to the development of creative agricultural specialists who are also "competent in mind; vigorous in body; tolerant in attitude; courageous in spirit; and cooperative in temperament."

COMPOSITE FRESHMAN CURRICULUM
ALL CURRICULA IN SCHOOL OF AGRICULTURE

1. General Agriculture & Pre-Veterinary
2. Agricultural Engineering
3. Mechanized Agriculture
4. Dairy Manufacturing
5. Wildlife Conservation & Management
6. Agricultural and Biological Chemistry

		FALL SEMESTER
Taken by	Course	Credits
1,2,3,4,5,6	ENG 111 (Composition)	3
2,3,6	MA 101 (First Year Mathematics for Engineers)	5
1,4,5	MA 111 (Algebra & Trigonometry)	4

AGRICULTURE

1,2,3,4,5	BO 101 (General Botany)	3
1,4,5	ZO 101 (General Zoology)	3
1,2,3,4,5,	AG 101 Agriculture and World Affairs	3
6	CH 201 (General Inorganic)	5
2,3	AGE 151 (Farm Mechanics)	4
2,3	ME 101 (Engineering Graphics I)	2
5	HI 261 (The United States in Western Civilization)	3
1,2,3,4,5,6	MS 101 or AS 121 PE 101	2 2 1

SPRING SEMESTER

Taken by	Course	Credits
1,2,3,4,5,6	ENG 112 (Composition)	3
2,3,6	MA 102 (First Year Mathematics for Engineers)	4
1,4	MA 112 (Analytic Geometry & Calculus)	4
1,5	BO 102 (General Botany)	3
1,5	ZO 102 (General Zoology)	3
1,2,3,4	CH 101 (General Inorganic Chemistry)	4
6	CH 205 (General Qualitative Chemistry)	5
4	AI 201 (Elements of Dairy Science)	4
2,3	ME 102 (Engineering Graphics II)	2 3
4	PSY 200 (Introduction to Psychology)	3
5	PS 201 (The American Governmental System)	3
1,2,3,4,5,6	MS 102 or AS 122 PE 102	2 2 1

Curriculum 1 other than Pre-Vet, may substitute an Elective for Chemistry 101 in spring semester.

Curricula 2 and 3 take Botany 101 in Spring Semester.

Curriculum 5 takes MA 111 in Spring Semester.

Curriculum 6 takes either Botany 101 and 102 or Zoology 101 & 102.

An Optional Mathematics course may be substituted for MA 112 in some curricula at the request of the student and the discretion of his advisor and the Director of Instruction. If Chemistry is taken the second semester of the freshman year, ZO 102, General Zoology, or BO 102, General Botany, may be taken in the sophomore year.

AGRICULTURE

UPPER-CLASS CURRICULUM IN GENERAL AGRICULTURE

				Credits
2	CH 101	General Inorganic Chemistry (If not taken in Freshman Year)	4	0
	CH 103	General and Qualitative Chemistry or		
	CH 203	General and Organic Chemistry	4 or 0	4 or 0
	EC 201	Economics and		
	AGC 212	Economics of Agriculture	3	3
	PY 211	General Physics and		
	HI 261	The United States in Western Civilization	4 or 3	4 or 3
		Major Field Electives or Agricultural Electives	6	6 or 9
	MS 201, 202	Military Science or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			19 or 20	19 or 20
3	SOI 200	Soils		4
	ENG 231	Basic Speaking Skills		3
		English Elective		3
4	PS 201	The American Governmental System		3
	RS 301	Sociology of Rural Life		3
		Humanities or Social Science		6
		Major Field Electives or Agricultural Electives		35
		Advanced Military Science or Advanced Air Science or Advised Electives		12
				69

AGRICULTURAL ECONOMICS— — — — —

Professor H. B. James, *Head of the Department*

Professor Emeritus G. W. Forster

Professor Charles E. Bishop, W. W. McPherson, Richard A. King

Associate Professors Arthur J. Coutu, Henry A. Homme, Quentin W.

Lindsay, Lee R. Martin, W. H. Pierce, George S. Tolley, W. D.

Toussaint, J. C. Williams, Jr.

Assistant Professors James A. Seagraves, Anthony P. Stemberger

OBJECTIVES — — — — —

Students in Agricultural Economics are trained to deal with practical problems of managing a farm and marketing farm products. The major objective of this training is to provide a foundation in basic economic principles and techniques of analyses which will be useful in making sound decisions with respect to what and how to produce, how and when to buy or sell, and how to evaluate new developments in technology, changes in agricultural policies or other factors which affect their production and marketing plans

— — — — — CURRICULA

UNDERGRADUATE

The curriculum is designed to provide a broad training for students who are interested in the economic problems of agriculture. Emphasis is placed upon the factors determining prices and the use of prices in making decisions. Technical problems are used as a basis for learning how to make economic evaluations of the income effects of change. The effect of government policies and programs upon agriculture are considered.

The flexibility of the curriculum and the wide range of courses dealt with enable the Department to train students for many types of jobs where a knowledge of technical agriculture and the economic principles applicable to agriculture are useful. Students have a choice of subjects in Farm Management, Marketing, Policy, and other phases of farm economics, as well as in the principles of agricultural economics around which the applied courses are built. The degree of Bachelor of Science in Agricultural Economics may be earned under the provisions of the General Curriculum in Agriculture. In addition to the requirements of the General Curriculum in Agriculture, see pages 38-40, the following courses are required for students majoring in Agricultural Economics:

		Credits
AGC 303	Farm Management I	3
AGC 533	Agricultural Policy	3
AGC 551, 552	Agricultural Economic Theory	6
EC 401	Principles of Accounting	3
ST 311	Introduction to Statistics	3
	Elective Course in Marketing	3
		<u>21</u>

This permits the student to elect at least 32 semester hours in other fields and provides him with an opportunity to obtain a better understanding of the technical and social forces affecting economic decisions.

GRADUATE

The Department of Agricultural Economics also offers a wide range of opportunities for advanced instruction and research leading to the degree of Master of Agricultural Economics (professional degree), Master of Science and Doctor of Philosophy in Agricultural Economics. The graduate program is designed to provide a thorough foundation in economic theory, with emphasis upon the application of economic principles in the solution of agricultural problems. North Carolina provides a laboratory unsurpassed by any other area in its opportunities for the study of problems associated with the economic development of agriculture, especially in relation to current industrial development. In addition to the courses in basic economic theory, special training is offered in economics of consumption and distribution of agricultural products, economics of production, land economics, analysis of agricultural policies and programs, monetary and fiscal policies in relation to agriculture, international trade, econometrics, and analysis of economic development in agriculture.

— — — — — FACILITIES

The Department is well equipped with modern equipment essential to its extensive research and teaching program. It has a modern departmental library, including an excellent set of references to the major professional Journals in the field of Agricultural Economics and Experiment Station publications from other institutions. A great volume of farm information is available for study and for illustrating the principles of modern farm management. Statistical information on consumption, marketing, agricultural finance, taxation, insurance, soil conservation

AGRICULTURE

practices, and agricultural policy also is available for use of students and agricultural workers.

OPPORTUNITIES — — — — —

The rapid growth and development of industry and agriculture in North Carolina and throughout the South has resulted in an increased demand for workers who are well trained in both the fundamentals of technical agriculture and economic analysis. Many graduates of the Department of Agricultural Economics are employed in research and educational work by the various agencies of the Federal and State governments. These include the Agricultural Extension Service, the Agricultural Experiment Station, the State Department of Agriculture, and various divisions of the United States Department of Agriculture. Others are engaged in professional farm management, professional work with banks and other commercial organizations dealing in agricultural credit, farm supplies and equipment, and the production, processing, and marketing of agricultural products. Graduates of Agricultural Economics are especially well-qualified to manage, or to assist in managing, any business enterprise related to agriculture. Since the number of requests received by the Department for employees exceeds the number of students graduating, students generally have a choice of positions.

AGRICULTURAL ENGINEERING — — — — —

Professor G. Wallace Giles, Head of the Department

Professors F. J. Hassler, David S. Weaver, John W. Weaver, Jr.

Associate Professors H. D. Bowen, J. M. Fore, W. E. Splinter, T. Virgil Wilson

Assistant Professors George B. Blum, Jr., Ezra L. Howell, Blaine F. Parker, Jan van Schilfgaarde

Head Mechanic Ralph B. Greene

OBJECTIVES — — — — —

Students in Agricultural Engineering are educated and trained to deal with the problems of agriculture that are engineering in nature. Involved are the application of scientific and engineering principles to the conservation and utilization of water and soil, the development of power and labor-saving devices for all phases of agricultural production, the design of structures and equipment for housing and handling livestock and field products, and the processing and marketing of farm products.

The need for men to carry out the technical aspects such as development and research as well as less technical work such as sales and service of farm equipment requires the offering of two distinct curricula as described below. A common first year is provided in order to allow the student more time to select one of the two curricula.

CURRICULA — — — — —

AGRICULTURAL ENGINEERING CURRICULUM

Leading to the degree of Bachelor of Agricultural Engineering

This curriculum is designed to develop young men capable of engineering leadership in agriculture. Emphasis is placed on basic science courses such as mathematics, physics, mechanics, biology, soils, and thermodynamics, which provide a sound background for engineering and agricultural technologies. Courses in Agricultural Engineering are designed to teach the student to make application of sciences to agriculture. General Agriculture courses are provided so that the student can better understand the agricultural industry with which he deals.

Since Agricultural Engineering involves two distinct technical fields—Agriculture and Engineering—this curriculum is a joint responsibility of the two schools and is so administered.

MECHANIZED AGRICULTURE CURRICULUM

Leading to the degree of Bachelor of Mechanized Agriculture

This curriculum is less technical than the Agricultural Engineering Curriculum. It is designed for those who are working on a practical level with farm people. Graduates are equipped to apply to the farm the new technologies as developed and revealed by the technical engineer. The courses are presented mainly from the viewpoint of the user and consumer.

FACILITIES

The offices, classrooms, and shops used in Agricultural Engineering are located in Mangum and Tompkins halls. One half of a new Agricultural Engineering building, to provide more adequate facilities, will be ready for occupancy around September, 1956.

At present, the facilities include six laboratories and shops, plus field laboratory areas. The farm machinery laboratory has the latest labor-saving farm equipment for preparing seedbeds, planting, cultivating and harvesting crops. These machines are furnished by leading farm machinery manufacturers and are replaced from time to time as improvements are developed. Special effort is made to have on hand all types of equipment for use in the best practices in the production of farm crops. The farm engines and tractors laboratory is equipped with various makes and styles of tractors and supplementary farm power units, and with the tools and equipment most commonly used by service shops. Other equipment consists of drawbar and belt dynamometers for testing. The farm shop located in Tompkins Hall, considered one of the finest teaching shops of its kind anywhere, is completely equipped with the latest power and hand tools. A research shop operated for the Experiment Station and available for use by senior students doing research work in the course "Special Problems" is considered the best equipped shop of its kind in the nation. The farm buildings laboratory is equipped with drawing tables, a blueprint machine, supply cabinets, and models of various types of farm buildings construction. The rural electrification laboratory is equipped with the latest types of electrical appliances and devices as used by farmers on rural lines, much of it loaned by manufacturers. Laboratory equipment for land improvement consists of sets of surveying instruments, drafting tables, calculating equipment, and field machines for this type of work.

Field laboratory areas in crops, vineyards, orchards, and pastures are available for demonstrations and practice in the use of farm equipment and in drainage and erosion control.

OPPORTUNITIES

Men trained in Agricultural Engineering are qualified for positions in design, development, and research in public institutions and in industry and for teaching and extension work in institutions of higher education. The curriculum also provides adequate training for postgraduate work leading to advanced degrees.

Men trained in the field of Mechanized Agriculture are qualified for positions in sales and service of agricultural equipment such as farm machinery, irrigation systems, etc.; as county agents or farmers; and for farm advisory work with such organizations as electric power companies.

SPECIALIZED CURRICULUM IN AGRICULTURAL ENGINEERING

A minimum of 153 semester hours is required for graduation.

1	See page 38		Credits	
2	SOI 200	Soils	0	4
	CH 203	General and Organic Chemistry	4	0
	CE 201	Surveying I	0	3
		English Elective	3	0
	MA 201, 202	Calculus I, II	4	4

AGRICULTURE

	PY 201, 202	General Physics	5	5
	MS 201, 202	Military Science* or		
	AS 221, 222	Air Science*	2	2
	PE 201, 202	Physical Education*	1	1
			<hr/>	<hr/>
			19	19
3	AGE 211	Farm Power and Machinery	3	0
	AGE 371	Soil and Water Conservation Engineering	4	0
	EC 201	Economics	0	3
	EE 320	Elements of Electrical Engineering	4	0
	EM 311, 312	Mechanics I, II	3	3
	EM 321	Strength of Materials I	0	3
	EM 430	Fluid Mechanics	0	2
	ENG 321	Basic Speaking Skills	0	3
	ME 301	Engineering Thermodynamics I	0	3
		Military Science or		
		Air Science or		
		Electives	3	3
			<hr/>	<hr/>
			17	20
4	AGC 212	Economics of Agriculture	0	3
	AGE 451	Farm Structures	0	4
	AGE 452	Curing and Drying of Farm Crops	2	0
	AGE 462	Senior Seminar	1	1
	AGE 481	Farm Power and Machinery IIA	4	0
	AGE 491	Rural Electrification	4	0
	AGE 551	Special Problems	0	**
	HI 261	The United States in Western Civilization	0	3
	PS 201	The American Governmental System	3	0
	RS 301	Sociology of Rural Life	3	0
		Social Science Elective	0	3
		Military Science or		
		Air Science or		
		Electives	3	3
			<hr/>	<hr/>
			20	19

SPECIALIZED CURRICULUM IN MECHANIZED AGRICULTURE

A minimum of 151 semester hours required for graduation

For Freshman Year, see page 38 (same as Agricultural Engineering).

			Credits	
2	AGE 211	Farm Power and Machinery I	0	3
	CH 203	General and Organic Chemistry	4	0
	CE 201	Surveying I	0	3
	EC 201	Economics	0	3
		English Elective	3	0
	MA 201	Calculus I	4	0
	PY 211, 212	General Physics	4	4
	PO 201	Chicken and Turkey Production	0	4
	MS 201, 202	Military Science* or		
	AS 221, 222	Air Science*	2	2
	PE 201, 202	Physical Education*	1	1
			<hr/>	<hr/>
			18	20

3	AGC 212	Economics of Agriculture	3	0
	AGC 303	Farm Management I	0	3
	AGE 321	Irrigation, Drainage, and Terracing	4	0
	AGE 411	Farm Power and Machinery IIB	0	3
	SOI 200	Soils	4	0
	AI 200	Elements of Dairy Science or		
	AI 202	Fundamentals of Animal Husbandry	0	4
	EC 407	Business Law	0	3
	EM 341	Mechanics A	2	0
	FOR 311	Principles of Farm Forestry	2	0
	PSY 200	Introduction to Psychology	0	3
		Military Science or		
		Air Science or		
		Electives	3	3
			18	19
4	AGE 332	Farm Buildings and Crop Processing	4	0
	AGE 341	Farm Electrification and Utilities	4	0
	AGE 452	Senior Seminar	1	1
	ENG 231	Basic Speaking Skills	3	0
		Field Crops Elective	3	0
	HI 261	The United States in Western Civilization	0	3
		Horticulture Elective	0	3
		Marketing Elective	0	3
	PS 201	The American Governmental System	0	3
	RS 301	Sociology of Rural Life	0	3
		Military Science or		
		Air Science or		
		Electives	3	3
			18	19

* Students excused from Military or Air Science and/or Physical Education will schedule equivalent credits in courses outside their department.

** Credits by arrangement.

— ANIMAL INDUSTRY

Professor J. W. Pou, Head of the Department

Professors E. R. Barrick, C. D. Grinnells, F. M. Haig, J. E. Legates, G. Matrone, J. C. Osborne, W. M. Roberts, M. L. Speck, H. A. Stewart, R. K. Waugh, G. H. Wise

Associate Professors L. W. Aurand, T. N. Blumer, W. R. Murley, F. H. Smith, W. E. Thomas, S. B. Tove, F. G. Warren

Assistant Professors J. P. Ammerman, R. R. Bell, A. J. Clawson, E. U. Dillard, Lemuel Goode, J. G. Lecce, J. L. Moore, H. A. Ramsey, R. B. Redfern, W. W. G. Smart, Jr., J. J. McNeill

Instructors L. F. Blanton, B. R. Farthing, J. H. Gregory, R. D. Mochrie, R. M. Myers

— OBJECTIVES

The Department of Animal Industry has the responsibility for training students in the fields of dairy and livestock production and processing. To accomplish this aim, the Department offers two curricula—one in

AGRICULTURE

Animal Industry, with the opportunity for specialization in Dairy Husbandry, and the other in Dairy Manufacturing.

Students who have not had the opportunity to gain farm experience before entering college may adapt themselves more readily to work in dairy manufacturing. Those who plan to pursue production work should gain all of the farm experience possible prior to graduation. Members of the Animal Industry Department staff will be glad to assist in planning a summer work experience.

FACILITIES — — — — —

The Department of Animal Industry, with the exception of the Veterinary Section, is housed in Polk Hall, a three-story building located near the center of the campus. One wing of the basement of this building is devoted to the dairy manufacturing plant and laboratories. These facilities are equipped with the most modern machinery available for teaching and research in the processing and distribution of market milk, ice cream, cheese, butter, and other dairy products.

The farm meats laboratories are located in the other basement wing. These laboratories provide facilities for animal slaughtering and meat processing and preservation. They are well-equipped for teaching and research and are among the most modern and up-to-date in the country.

The three upper floors of Polk Hall contain offices, classrooms, a library, and laboratories in dairy bacteriology, dairy chemistry, animal nutrition, animal physiology, animal breeding, and meats. The teaching, research, and extension staff members in the various areas of animal production and dairy manufacturing have their offices in the building.

The Veterinary Section is located in a new and modern Animal Disease Laboratory Building. This Building has excellent facilities for research and teaching in the animal disease field, including large animal isolation units for work in the field of virology, and a diagnostic laboratory.

The Department maintains three livestock farms, which are located within a few miles of the campus. The Animal Husbandry Farm contains 1,100 acres. Registered and commercial herds of beef cattle, swine, and sheep are maintained for teaching and research. The adjoining Dairy Farm contains 900 acres. Two well-equipped and modern dairy barns house over 200 head of registered Ayrshire, Guernsey, Holstein, and Jersey cattle. A judging pavilion and an artificial breeding bull barn, with completely equipped laboratories, are also located on this farm. A research center, containing an animal nutrition laboratory and barns and other facilities to accommodate large animals for experimental purposes, is located on the third farm.

OPPORTUNITIES — — — — —

There are many opportunities for students who major in Animal Industry to enter either the production or processing fields. Students who specialize in Animal or Dairy Husbandry are well qualified for a career in agricultural extension or similar educational work; in the commercial field with the feed industry, breed associations, dairy and livestock equipment companies, and similar concerns; or in the operation and management of dairy and livestock herds and farms.

Good opportunities are always available in the dairy manufacturing industry for young men with energy and a sound training in dairy manufacturing. There are also many opportunities for graduate study in the various dairy and animal sciences.

STUDENT ACTIVITIES — — — — —

Students have the opportunity to train for judging teams in meats, livestock, dairy cattle, and dairy products. Each year these four teams

represent the College in the respective national intercollegiate judging contests. The opportunities for excellent supplemental training and valuable trips and experiences are provided students who participate in these judging team programs.

CURRICULA

Students in the Department may specialize in Animal Husbandry, Dairy Husbandry or Dairy Manufacturing. Majors in Animal Husbandry and Dairy Husbandry should elect the general curriculum in Agriculture the first two years (see pages 38 and 40) and will follow the option of their choice as shown below during their Junior and Senior years.

Students majoring in Dairy Manufacturing will follow the specialized curriculum in Dairy Manufacturing on Page 48.

ANIMAL HUSBANDRY OPTION

1	See Page 38		
2	See Page 40		Credits
3	ZO 301	Animal Physiology	3 0
	AI 312	Principles of Livestock Nutrition	0 3
	BO 412	General Bacteriology	0 4
	AI 301	Grading and Selection of Meat Animals	0 2
	SOI 200	Soils	4 0
	RS 301	Sociology of Rural Life	3 0
	AI 303	Meat and Meat Products	3 0
	ENG 231	Basic Speaking Skills	3 0
	PS 201	American Governmental System	0 3
		Military Science or Elective	3 3
			<hr/>
			19 18
4	AI 401, 402, or 403	Beef, Pork and Sheep Production (Two of above required)	3 3
	AI 406	Seminar	0 1
	AI 503	Animal Breeding	3 0
	AI 505	Diseases of Farm Animals	3 0
		Agricultural Electives	0 6
		English Elective	3 0
		Social Science or Humanities Elective	3 3
		Military Science or Elective	3 3
		Free Elective	0 3
			<hr/>
			18 19

DAIRY HUSBANDRY OPTION

1	See Page 38		
2	See Page 40		Credits
3	ENG 231	Basic Speaking Skills	3 0
	BO 412	General Bacteriology	0 4
	SOI 200	Soils	4 0
	AI 305	Judging—Selection of Dairy Cattle	2 0

AGRICULTURE

ZO 301	Animal Physiology	3	0
AI 312	Principles of Livestock Nutrition	0	3
GN 411	Principles of Genetics	0	3
	English Elective	0	3
	Humanities Elective	3	0
	Agricultural Elective	0	3
	Air Science or		
	Advanced Military or		
	Advised Electives	3	3
		<hr/>	<hr/>
		18	19

4	RS 301	Sociology of Rural Life	3	0
	AI 503	Animal Breeding	3	0
	AI 505	Diseases of Farm Animals	3	0
	DM 401	Market Milk and Related Products	0	3
	AI 404	Dairy Farm Problems	0	3
	PS 201	The American Governmental System	0	3
	AI 502	Reproduction and Lactation	0	4
	AI 406	Animal Industry Seminar	0	1
		Humanities Elective	3	0
		Agricultural Electives	3	0
		Advanced Military or		
		Air Science or		
		Advised Electives	3	3
			<hr/>	<hr/>
			18	17

Students should schedule Elements of Dairy Science and Fundamentals of Animal Husbandry prior to their Junior year.

SPECIALIZED CURRICULUM IN DAIRY MANUFACTURING — — — —

A minimum of 146 credits required for graduation.

			Credits	
1	AG 101	Agriculture and World Affairs	3	0
	AI 201	Introduction to Dairy Science	0	4
	BO 101	General Botany	3	0
	CH 101	General Inorganic Chemistry	0	4
	ENG 111, 112	Composition	3	3
	MA 111	Algebra and Trigonometry	4	0
	MA 112	Analytic Geometry and Calculus A*	0	4
	ZO 101	Introduction to Psychology	0	3
	PSY 200	General Zoology	3	0
	MS 101, 102	Military Science** or		
	AS 121, 122	Air Science	2	2
	PE 101, 102	Physical Education**	1	1
			<hr/>	<hr/>
			19	21

2	BO 412	General Bacteriology	0	4
	CH 103	General and Qualitative Chemistry or		
	CH 203	General and Organic Chemistry	4	0
	DM 401	Market Milk and Related Products	0	3

EC 201	Economics and Economic Elective	3	3
	English Electives	3	3
HI 261	The United States in Western Civilization	0	3
PY 211	General Physics	4	0
	Political Science Elective	3	0
MS 201, 202	Military Science** or		
AS 221, 222	Air Science	2	2
PE 201, 202	Physical Education	1	1
		<u>20</u>	<u>19</u>
3	Major Field and Agricultural Electives	Maximum 50	
	Advanced Military Science or		
	Advanced Air Science or		
4	Approved Electives	12	
	Electives***	6-25	

* Other mathematics may be substituted for Ma 112, Analytic Geometry & Calculus A, on recommendation of adviser.

** Students excused from Military or Air Science and/or Physical Education will schedule equivalent credits in Humanities.

*** Must include not less than 6 credits of Social Sciences or Humanities. To be chosen with approval of adviser.

BOTANY

Professor H. T. SCOFIELD, Head of Department

Professor D. B. ANDERSON

Associate Professors ERNEST BALL, A. F. BORG, H. J. EVANS, L. A. WHITFORD

Assistant Professors E. O. BEAL, P. F. BOURDEAU, W. A. BRUN, R. L. WILBUR

OBJECTIVES

Botany emphasizes those phases of plant science which are foundational for the study of agricultural and forest crop production. Undergraduate students who anticipate doing graduate work may choose to major in Botany. Graduate work may be undertaken in several of the specialized fields of Botany.

FACILITIES

Botanical teaching laboratories are equipped with all the essential facilities for the courses offered. Good herbari support the work systematic botany and dendrology. Laboratories for advanced study and research in specialized fields are equipped with modern instruments and other essential physical facilities. Recently constructed greenhouses provide space for teaching and research purposes.

CHEMISTRY

Professor W. J. PETERSON, Head of the Department

Professor W. A. REID, In Charge of Chemistry Teaching

Professors G. H. SATTERFIELD, F. W. SHERWOOD, P. P. SUTTON, J. A. WEYBREW

Associate Professors T. G. BOWERY, R. R. HENTZ, C. W. JENNINGS, W. E. JORDAN, R. H. LOEPPERT, C. C. ROBINSON, M. F. SHOWALTER, F. H. SMITH, R. C. WHITE

Assistant Professors T. J. BLALOCK, W. P. INGRAM, R. L. RINGLER, R. O. SIMMONS, S. B. TOVE

Instructors J. L. HALL, JR., J. W. MORGAN, G.M. OLIVER, DAVID WILLIS

AGRICULTURE

OBJECTIVES — — — — —

Students in Agricultural and Biological Chemistry are trained for work in Experiment Stations; in laboratories maintained in connection with programs for the inspection and control of foods, pharmaceutical products, animal feeds, fertilizers, gasoline and other materials; and for technical and business positions in the processing, manufacture, sale, distribution, and use of wide range of agricultural and industrial products. In addition, they receive excellent preparation for graduate study leading to research and teaching positions.

CURRICULUM — — — — —

The curriculum in Agricultural and Biological Chemistry is designed to give the students fundamental training in mathematics and the biological and physical sciences with a maximum of chemistry.

It meets the requirements of the American Chemical Society for the training of professional chemists.

SPECIALIZED CURRICULUM IN AGRICULTURAL AND BIOLOGICAL CHEMISTRY

146 Credits required for graduation

			Credits	
1	BO 101, 102	General Botany or		
	ZO 101, 102	General Zoology	3	3
	CH 201, 205	General Inorganic Chemistry; or General and Qualitative Chemistry	5	5
	ENG 111, 112	Composition	3	3
	MA 101, 102	First Year Mathematics for Engineers	5	4
	MS 101, 102	Military Science or		
	AS 121, 122*	Air Science	2	2
	PE 101, 102	Physical Education*	1	1
			19	18
2	CH 211, 212	Quantitative Analysis	4	4
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	ZO 101, 102	General Zoology or		
	BO 101, 102	General Botany	3	3
	MS 201, 202 or	Military Science or		
	AS 221, 222*	Air Science	2	2
	PE 201, 202	Physical Education*	1	1
			19	19
3	CH 421, 422	Organic Chemistry	5	5
	HI 261	The United States in Western Civilization	3	0
	ML 103, 104	Elementary German; German Grammar and Prose Reading	3	3
	PS 201	The American Governmental System	0	3
		Advanced Military or Air Science*	3	3
		Electives**	4	3
			18	17

4	CH 531, 532 Physical Chemistry	3	3
	CH 531L, 532L Physical Chemistry Laboratory	1	1
	Chemistry Electives	4	4
	English Electives***	3	3
	Advanced Military or Air Science*	3	3
	Electives**	4	4
		18	18

* Students excused from Military or Air Science and/or Physical Education will schedule equivalent credits in courses from the following departments: Economics, English, History and Political Science, Modern Languages, Philosophy and Religion, Rural Sociology, Social Studies, and Sociology.

** Electives must include a minimum of 3 credits in Social Sciences, 3 credits in General Economics and 9 credits in Agriculture.

***Students certified as proficient in English may substitute courses in Modern Languages. A minimum of six credits in German is required for graduation. It is recommended that twelve credits in German be taken by students contemplating graduate study.

ENTOMOLOGY

Professor Clyde F. Smith, Head of the Department

Professor Emeritus B. B. Fulton

Professors T. B. Mitchell, W. M. Kulash

Associate Professor C. H. Brett

Assistant Professors J. R. Dogger, R. T. Gast, R. L. Rabb, W. A. Stephen, W. I. Mistic, Jr.

OBJECTIVES

The Entomology faculty offers instruction at both undergraduate and graduate levels and provides students desiring to major in Entomology the broad and fundamental training necessary in this profession. Undergraduate instruction is also designed to provide introductory and terminal courses in insect control technology for students majoring in agronomy, animal industry, horticulture, vocational education, and forestry. Graduate courses are available for students wishing to complete requirements for the Master of Science or Doctor of Philosophy degrees in Entomology, as well as for students majoring in any of the plant or animal sciences.

Since Entomology is of importance in every phase of agriculture, it is necessary for students majoring in entomology to have a broad and fundamental training.

FACILITIES

Facilities include air-conditioned laboratories and greenhouse space, fields for experimental work, general and specialized insect collections, and equipment essential to advanced research work.

AGRICULTURE

CURRICULUM IN ENTOMOLOGY — — — — —

1 See page 38.

2	AGC 212	Economics of Agriculture	3
	CH 101	General Inorganic Chemistry	4
	CH 103	General and Qualitative Chemistry or	
	CH 203	General and Organic Chemistry	4
	EC 201	Economics	3
		English Elective	3
	ENT 312	Economic Entomology	3
	HI 261	The United States in Western Civilization	3
	PY 211	General Physics	4
		Agricultural Electives*	3
	MS 201, 202	Military Science or	
	AS 221, 222	Air Science	4
	PE 261, 202	Physical Education	2
3	SOI 200	Soils	4
	ENG 231	Basic Speaking Skills	3
	RS 301	Sociology of Rural Life	3
	ST 311	Introduction to Statistics	3
		Agricultural Electives*	9
		Entomology Electives**	6
		Free Electives***	9
4	PS 201	The American Governmental System	3
		Agricultural Electives*	9
		Entomology Electives**	6
		Free Electives***	18

*FC 311 Field Crops

*FC 414 Weeds and their Control

*BO 203 Introduction to Systematic Botany

*BO 412 General Bacteriology

*BO 421 Plant Physiology

*CH 215 Quantitative Analysis

*CH 351 Introductory Biochemistry

*GN 411 The Principles of Genetics

*HRT 222 Introduction to Horticulture

*PP 315 Plant Diseases

*ZO 301 Animal Physiology

*ZO 315 Animal Parasitology

* The above-mentioned Agricultural Electives are recommended.

** A suggested sequence of Entomology courses follows:

ENT 501, Insect Morphology; ENT 511, Systematic Entomology; ENT 551, Applied Entomology; ENT 542, Immature Insects.

Additional Entomology courses may be taken if all other requirements are fulfilled.

***For requirements respecting Social Sciences, Advanced Military, and Agricultural Electives, see the General Agricultural Curriculum.

EXPERIMENTAL STATISTICS — — — — —

Professor J. A. RIGNEY, Head of the Department

Professors R. L. ANDERSON, R. E. COMSTOCK, GERTRUDE M. COX, A. L.

FINKLER, H. L. LUCAS, D. D. MASON, R. J. MONROE, H. F. ROBINSON, H. FAIRFIELD SMITH

Associate Professors C. C. COCKERHAM, R. J. HADER, D. G. HORVITZ

Assistant Professors W. W. G. SMART, F. J. VERLINDEN, JACK FLEISCHER

Instructor SARAH CARROLL

Resident Collaborator C. B. CARNEY

— — — — — OBJECTIVES

The extension of the use of statistics to more and more diverse fields of application has steadily increased since the first World War. Industry is placing increasing reliance on statistical methods to control the quality of goods in the process of manufacture and to determine the acceptability of goods already produced. Statistical procedures are becoming basic tools for making weather forecasts, crop and livestock estimates, business trend predictions, opinion polls, and the like. Furthermore, all fields of research are fast realizing the importance of statistical aids in planning, analyzing and interpreting the results of investigation.

The Department of Statistics is a part of the Institute of Statistics. It provides instruction, consultation, experimental, and computational service for all other departments of all schools in the college. The Agricultural Experiment Station receives assistance in designing experiments, analyzing, and interpreting results. Governmental agencies and other institutions use the facilities of the Department. The range and quality of data handled furnish an excellent background for training students in the use of statistical procedures in such fields as the plant, animal, and social sciences and industrial engineering.

— — — — — CURRICULUM

The curriculum in Experimental Statistics is based on the general curriculum for the School of Agriculture except that the requirement of elective courses may be distributed in six departments on the campus (not necessarily six departments in the School of Agriculture).

— — — — — FACILITIES

A laboratory equipped with the best facilities available is maintained. Calculating machines, comptometers, and International Business Machines are used constantly. Students have an opportunity to get actual experience in the use of these machines and to learn the types of data for which each is best suited.

— — — — — FIELD CROPS

Professor P. H. HARVEY, Head of Department

Professors W. C. GREGORY, G. C. KLINGMAN, R. L. LOVVORN, T. J. MANN, G. K. MIDDLETON, R. P. MOORE

Associate Professors D. S. CHAMBLEE, D. U. GERSTEL, C. H. HANSON, P. A. MILLER

Assistant Professors C. A. BRIM, I. T. CARLSON, G. L. JONES, J. A. MAUNEY, D. E. MORELAND, L. L. PHILLIPS, C. L. RHYNE, JR., D. L. THOMPSON, R. P. UPCHURCH

Instructor W. N. LEWIS

— — — — — OBJECTIVES

The curriculum in Field Crops has as its objectives training the student in the fundamental principles of the plant sciences, along with the application of these principles to the problems of crop production.

The importance of agronomic training in North Carolina agriculture is evidenced by the fact that North Carolina ranks third among the states in cash income from farm crops. Yet the maximum potential production of farm crops has by no means been attained. With continued improvement in varieties, cultural practices, and cropping methods, further advances will be made. In carrying out this broad program there is and will continue to be a real need in North Carolina for men well trained in plant breeding, crop production and management, and related fields.

AGRICULTURE

FACILITIES — — — — —

Williams Hall, which is shared by Field Crops and Soils, provides adequate office, laboratory, and classroom space for the entire teaching, reasearch and extension personnel of the department. In addition to the research laboratories for staff and graduate student use, several well-equipped laboratories are maintained to serve the needs of the teaching program. A library is equipped with books and periodicals dealing with agronomic and closely related subjects. Greenhouses are situated directly in the rear of Williams Hall to serve the needs for such facilities in the teaching and research programs. Much of the research is carried out on the campus at Raleigh and at some seventeen experiment stations located throughout the state. Students have the opportunity of observing, first-hand, various phases of this research. Furthermore, many students gain valuable experience as well as financial assistance by working part-time during the school year or full-time in the summer in one of these research programs.

OPPORTUNITIES — — — — —

Graduate in Field Crops are trained to fill positions as County Extension Agents; farm operators and managers; salesmen in seed and fertilizer companies and similar commercial concerns; seed analysts; and as leaders in various forms of agricultural development work. The Field Crops curriculum also offers training for those students who might want to continue their education with graduate study in preparation for extension, teaching, or research positions with state or federal institutions or private industry.

STUDENT TOUR — — — — —

One of the highlights of the undergraduate curriculum is a tour of the state taken by students majoring in Field Crops and Soils during the junior year. This tour is normally taken immediately following the end of the spring term and lasts for approximately six days. During this time the student visits all of the principal farming regions in the state and has an opportunity to observe management practices used on representative farms in each region. He also visits a number of the state agricultural experiment stations as well as various commercial concerns such as fertilizer manufacturers, seed producers, and tobacco companies. This tour serves the purpose of providing the student with a better concept of the various agricultural enterprises throughout North Carolina.

CURRICULUM IN FIELD CROPS — — — — —

The Field Crops curriculum is designed to meet the interests of the student desiring a broad training in the field in order that he may be better equipped to cope with the increasing complex array of problems confronting the general agronomist. This curriculum also provides for the training of specialists in Field Crops, those students interested in a more intensive plan of study which will prepare them for specialization in some segment of the field or for graduate work.

The curriculum is divided into two options which provide a diversity of training to fit the particular needs of the individual. The student may elect one of the following options: (1) General Field Crops Option; (2) Special Field Crops Option.

The student should elect one of the options no later than the end of his sophomore year and preferably at the end of his freshman year.

GENERAL FIELD CROPS OPTION — — — — —

1 See page 38.

2 See page 40.

3 General requirements as outlined in the catalog, page 40.
Courses required by department

		Credits
FC 211	Field Crops I	3
FC 311	Field Crops II	3
FC 312	Pastures and Forage Crops	3
FC 413	Plant Breeding	3
FC 414	Weeds and Their Control	3
BO 421	Plant Physiology	4
ENT 312	Economic Entomology	3
GN 411	The Principles of Genetics	3
PP 315	Plant Diseases	3
SOI 302	Soils and Plant Growth or	
SOI 341	Soil Fertility and Fertilizers	3
		<hr/> 31
Electives in Agriculture and Forestry		19

- SPECIAL FIELD CROPS OPTION

- 1** See page 38.
- 2** See Page 40.
- 3** General requirements as outlined in the catalog, page 40.

Courses required by department		Credits
FC 211	Field Crops I	3
ENT 312	Economic Entomology	3
BO 421	Plant Physiology	4
GN 411	The Principles of Genetics	3
PP 315	Plant Diseases	3
SOI 302	Soils and Plant Growth or	
SOI 341	Soil Fertility and Fertilizers	3
		<hr/> 19

At least 16 hours will be elected from the following courses, the choice being dependent upon whether the student wishes special training in Crop Production, Plant Breeding, or Weed Control:

		Credits
AI 312	Principles of Livestock Nutrition	3
BO 203	Introduction to Systematic Botany	3
BO 410	Plant Histology and Microtechnique	3
BO 412	General Bacteriology	4
BO 441	Plant Ecology	3
BO 512	Morphology of Vascular Plants	2
BO 513	Plant Anatomy	3
BO 521	Systematic Botany of Monocot Families	3
BO 523	Systematic Botany of Dicot Families	3
CH 103	General and Qualitative Chemistry	4
CH 103L	Semimicro Qualitative Analysis	1
CH 211, 212	Quantitative Analysis	4-4

AGRICULTURE

CH 215	Quantitative Analysis	4
CH 421, 422	Organic Chemistry	5-5
CH 425, 426	Organic Chemistry	3-3
FC 311	Field Crops II	3
FC 412	Advanced Pastures and Forage Crops	2
FC 413	Plant Breeding	3
FC 414	Weeds and Their Control	3
FC 541	Plant Breeding Methods	3
GN 512	Genetics	4
MA 211, 212	Analytic Geometry and Calculus B, C	3-3
PP 515	Diseases of Field Crops	3
PY 212	General Physics	4
SOI 302	Soils and Plant Growth	3
SOI 341	Soil Fertility and Fertilizers	3
SOI 352	Soil Classification	3
SOI 511	Soil Physics	4
SOI 521	Soil Chemistry	4
ST 311	Introduction to Statistics	3
ST 511, 512	Experimental Statistics for Biological Sciences, I, II	4-3
ZO 301	Animal Physiology	3
Electives in Agriculture and Forestry		15

GENETICS

Professor S. G. STEPHENS, Head

Associate Professors D. S. GROSCH, B. W. SMITH

Assistant Professor RICHARD CHARLES LEWONTIN

Cooperating with the following Associate Members of the Faculty:

Field Crops—D. U. GERSTEL, W. C. GREGORY, W. C. HANSON, P. H. HARVEY, G. L. JONES, T. J. MANN, G. K. MIDDLETON, P. A. MILLER, D. L. THOMPSON

Animal Industry—H. A. STEWART, J. E. LEGATES

Horticulture—W. S. BARHAM, F. D. COCHRAN, F. L. HAYNES, G. W. SCHNEIDER

Poultry—E. W. GLAZENER

Statistics—C. C. COCKERHAM, R. E. COMSTOCK, H. F. ROBINSON

OBJECTIVES

The Genetics faculty offers instruction at advanced undergraduate and graduate levels. Graduate courses are available for students majoring in any of the animal and plant sciences, as well as for those wishing to complete requirements for the Master's or Doctor's degree in Genetics.

At North Carolina State College there are no sharp divisions along departmental lines between the theoretical and applied aspects of genetics. Courses embodying genetic principles are also offered by the five cooperating departments listed above.

FACILITIES

Facilities are available for carrying out research projects in the Genetics departments and also, on a cooperative basis in other departments as indicated by the nature of the project.

HORTICULTURE

Professor F. D. COCHRAN, Head of Department

Professors J. L. ETCHHELLS, M. E. GARDNER, J. B. GARTNER, J. M. JENKINS, JR., I. D. JONES, E. B. MORROW, G. O. RANDALL, G. W. SCHNEIDER

Associate Professors W. S. BARHAM, F. L. HAYNES, JR., ROBERT SCHMIDT (Emeritus)

Assistant Professor C. L. MCCOMBS

OBJECTIVES

The field of horticulture is concerned with the application of basic scientific principles to the production, handling, and marketing of fruits, vegetables, and ornamental plants and also to the processing of fruits and vegetables.

The variations in climatic conditions found in North Carolina are conducive to the production of a wide variety of horticultural crops which are distributed throughout the state as commercial enterprises and as home gardens. While these crops now represent an important segment of agriculture in the state, further expansion will be realized with development of adapted varieties, mechanization and intensification of cultural practices, and improvement of handling and marketing methods.

FACILITIES

The department has one of the best physical plants in the South for training students in Horticulture. Kilgore Hall, the new building to house Horticulture and Forestry, was completed in 1952 and contains adequate office, classroom, and laboratory space as well as necessary equipment for a well-rounded program of teaching and research. The departmental library, which supplements the College library, contains about twenty-five thousand technical and popular bulletins and current periodicals and journals covering all phases of Horticulture.

A greenhouse range makes approximately 25,000 sq. ft. of glass available for research and teaching. Nine cold storage rooms make possible intensive investigations dealing with storage, handling, and breeding problems.

A student laboratory with cold storage facilities is located on a twenty-five acre tract near the city limits of West Raleigh. Student gardens, orchards, nursery, flower plots, and vineyards are utilized for class instruction. Field research problems are conducted on this student laboratory farm and at ten of the branch stations and laboratories located in the various geographical sections of the state. Students have the opportunity of observing, firsthand, various phases of this research. Many students gain valuable experience as well as financial help by working part-time during the school year, or full-time in the summer, assisting in these programs.

New and enlarged facilities are available in the field of fruit and vegetable processing for both teaching and research. These include a modern, well-equipped processing laboratory; adjoining chemical and bacteriological laboratories; a freezing room; and storage lockers for frozen products.

OPPORTUNITIES

Graduates in Horticulture hold many different types of positions including those of County Extension Agents; farm operators; orchard, nursery, greenhouse and flower shop managers; research and promotional workers with commercial seed, floral, chemical, and food companies; processing plant foremen; inspectors and quality control technologists; agents with the U.S.D.A. Regulatory Service; and as leaders in other phases of agricultural development.

AGRICULTURE

CURRICULUM IN HORTICULTURE— — — — —

The curriculum in Horticulture, which leads to the degree of Bachelor of Science in Horticulture, provides training for developing a background in the principles of the plant sciences and the application of these principles to problems of production, breeding, handling, storage, marketing, and processing of horticultural crops.

Five options are offered horticultural majors: (1) General Horticulture; (2) Fruit Crops; (3) Ornamental Crops; (4) Vegetable Crops; (5) Fruit and Vegetable Processing.

I. GENERAL HORTICULTURE OPTION

- A. General curriculum requirements, (see pages 38, and 40).
- B. Requirements by major field

		Credits
SOI 341	Soil Fertility and Fertilizers	3
BO 421	Plant Physiology	4
ENT 312	Economic Entomology	3
GN 411	The Principles of Genetics	3
HRT 481	Breeding of Horticultural Plants	3
PP 315	Plant Diseases	3
		19
C. Electives in Horticulture		12-22
D. Electives in Agriculture and Forestry		9-19

II. FRUIT CROPS OPTION

- A. General curriculum requirements, (see pages 38, and 40)
- B. Same as 1(B) above
- C. Requirements in specialized field
 - 1. HRT 321, 421, 432, 532, and 562 16
- D. Electives in Agriculture and Forestry 15

III. ORNAMENTAL CROPS OPTION

- A. General curriculum requirements, (see pages 38, and 40)
- B. Same as 1(B) above
- C. Requirements in specialized field
 - 1. HRT 201, 202, 212 or 412, 301, 311 or 442, 441, 512 20-21
- D. Electives in Agriculture and Forestry 10-11

IV. VEGETABLE CROPS OPTION

- A. General curriculum requirements, (see pages 38, and 40)
- B. Same as 1(B) above
- C. Requirements in specialized field
 - 1. HRT 321, 421, 432, 562, 571 15
- D. Electives in Agriculture and Forestry 16

V. FRUIT AND VEGETABLE PROCESSING OPTION

- A. General curriculum requirements, (see pages 38, and 40)
- B. Required by major department
 - 1. In Horticulture
 - HRT 222, 321, 462, 521, 522 12
 - 2. In other departments
 - AGE 331, BO 412, CH 211, 212
 - CH 421, 422, PY (4 SEMESTER CREDITS) 29
- C. Electives in Agriculture and Forestry 10

— — — — — PLANT PATHOLOGY

Professor D. E. ELLIS, Head of the Department

Professors S. G. LEHMAN (Emeritus), J. L. ALLISON, C. N. CLAYTON,

F. A. HAASIS, L. W. NIELSEN, C. J. NUSBAUM

Associate Professors T. T. HEBERT, A. KELMAN, G. B. LUCAS, J. N. SASSER

Assistant Professors W. E. COOPER, N. N. WINSTEAD

— — — — — OBJECTIVES

Instruction in Plant Pathology is offered at both the undergraduate and graduate levels. Undergraduate instruction is designed to provide introductory and advanced courses in the nature and control of plant diseases to students majoring in agronomy, horticulture, agricultural education, and forestry and to provide students the fundamental training necessary for graduate study in Plant Pathology. Graduate courses are available for students majoring in any of the plant sciences as well as for those wishing to complete requirements for the degrees of Master of Science or Doctor of Philosophy in Plant Pathology.

— — — — — FACILITIES

Facilities consist of ample teaching and research laboratories, green-houses, fields for experimental work, modern laboratory equipment, and other facilities essential to advanced research and teaching in Plant Pathology.

— — — — — POULTRY SCIENCE

Professor E. W. GLAZENER, Head of the Department

Professors C. W. BARBER, R. S. DEARSTYNE, Emeritus

Associate Professors J. W. KELLEY, T. T. BROWN, H. W. GARREN, C. H. HILL

Assistant Professors W. L. BLOW, F. W. COOK, D. FROMM, H. L. BUMGARDNER, G. A. MARTIN

— — — — — OBJECTIVES

The Department of Poultry Science has as its objectives training the student in the principles of general poultry husbandry and related scientific fields, and the application of these principles to poultry biology; judging; preparation, grading, and processing of poultry products; hatchery and plant management; breeding; nutrition; and diseases. Through teaching, research, and extension, the department serves students, poultrymen, and allied industries. Poultry is an expanding industry in North Carolina with a gross income exceeding \$120,000,000 annually.

— — — — — CURRICULUM

The curriculum in Poultry Science, which leads to the degree of Bachelor of Science, is designed to give the student adequate and broad training in poultry science as preparation for work in the poultry industry, in allied fields, and as extension poultry specialists. The curriculum conforms to the General Curriculum of the School of Agriculture.

— — — — — FACILITIES

The teaching, research, and extension staff of the Department of Poultry Science are housed in Scott Hall. This building, which was completed in 1952-53, contains offices, classrooms, laboratories, and bird rooms. The laboratories and bird rooms are well equipped for teaching general poultry, hatchery management, poultry products, breeding, nu-

AGRICULTURE

trition, and diseases. A student library and reading room in Scott Hall provides access to poultry publications and scientific journals. Cooperatively with the N. C. Department of Agriculture, a disease diagnostic laboratory is maintained in Scott Hall. Some of the birds received by the laboratory serve as material for teaching.

The Department maintains off-campus teaching and research facilities at its Central Poultry Plant, located about two miles from the campus proper, and at two Experimental Station farms in the eastern and western parts of the state. A unit of layers is maintained exclusively at the Central Plant for teaching general poultry and judging.

The Central Plant consists of three units, two used for chickens and one for turkeys. Of the two units used for chickens, one is used primarily for rearing potential layers and for nutritional studies with broilers, and the second unit contains principally housing facilities for layers. Approximately 2,600 layers are housed each year for research and teaching purposes. A brick building, with this unit, provides additional facilities for teaching and research. Incubator, chick starting, and egg grading facilities are maintained on the first floor and a room equipped for conducting demonstrations and laboratories is located on the second floor.

The third unit consists of a turkey plant with two laying houses, two brooder houses, two confinement shelters, a feed mixing unit, and facilities for incubating, brooding, and ranging turkeys.

OPPORTUNITIES — — — — —

Graduates of the Poultry Department hold positions as poultry farm managers; poultry and egg inspectors; field representatives and servicemen for hatcheries, feed manufacturers, poultry processors, equipment companies, biological supply houses and other commercial concerns allied to poultry; journalism and public relations; self-employment; and teaching, extension, and research specialists.

STUDENT ACTIVITIES — — — — —

The Department sponsors two student activities, the Poultry Science Club and the Poultry Judging Team. Purposes of the Poultry Science Club are to bring together students and staff members who are interested in poultry, to provide programs of interest to both groups, and to participate in the activities of the Department and of the School of Agriculture.

The Poultry Judging Teams allow students to apply what they have learned in the classes of poultry judging. Each year qualified students selected for the teams go to the Southern Intercollegiate Poultry Judging Contest and to the National Intercollegiate Poultry Judging Contest to compete with teams from other colleges throughout the United States. The trophies won by the State College teams are on display in Scott Hall.

GENERAL CURRICULUM IN POULTRY SCIENCE — — — — —

See General Curriculum in Agriculture, page 40.

A minimum of 146 semester hours is required for graduation.

Students planning to major in Poultry Science should elect the General Curriculum in Agriculture. Those students who, prior to entering on the General Curriculum, decide to major in Poultry Science should consult with the Poultry Department course adviser by the end of the fall semester of the freshman year. Those students who, after entering the General Curriculum, elect to major in Poultry Science should consult with the course adviser as early as possible in the freshman or sophomore years, preferably by the end of the fall semester of the freshman year.

1 See page 38.

			Credits
2	RO 102	Agricultural Electives (Advised)	7
	CH 203	General Botany	3
	CH 451	General and Organic Chemistry and	
		Introductory Biochemistry	7

EC 201	Economics and	
AGC 212	Economics of Agriculture	6
PO 201	Chicken and Turkey Production	4
MS 201, 202	Military Science or	
or		
AS 221, 222	Air Science	4
PE 201, 202	Physical Education	2
		<hr/>
		33

3

	Agricultural Electives (Advised)	3
ENG 231	Basic Speaking Skills	3
HI 261	The United States in Western Civilization	3
PY 211	General Physics and	
SOI 200	Soils	8
PS 201	The American Governmental System	3
PO 301	Poultry Judging and Processing	4
PO 303	Biology of the Fowl	3
ZO 301	Animal Physiology and	
GN 411	Principles of Genetics	6
	Advanced Military or Air Science or	
	Advised Electives	6
		<hr/>
		39

4

	English Elective	3
PO 401	Poultry Diseases and	
BO 412	General Bacteriology	8
PO 402	Commercial Poultry Farm and	
	Hatchery Management	4
PO 403	Poultry Seminar	2
PO 520	Poultry Breeding and	
PO 521	Poultry Nutrition	6
	Social Sciences and Humanities	6
RS 301	Sociology of Rural Life	3
	Advanced Military or Air Science or	
	Advised Electives	6
		<hr/>
		38

RURAL SOCIOLOGY

Professor C. HORACE HAMILTON, Head of the Department

Professor SELZ C. MAYO

Assistant Professors FREDERICK L. BATES, SHELTON G. LOWERY, JAMES N. YOUNG

OBJECTIVES

The principal aim of this department is to teach students the principles and techniques for understanding human group behavior. More specifically the department seeks (1) to train students to become leaders in organizing rural groups and communities and in administering their programs; (2) to qualify exceptional students on the undergraduate and graduate levels for rural sociological research, teaching, and extension work; (3) to solve problems in human group relations through scientific research; and (4) to extend research results to the people of the state.

The Department of Rural Sociology is closely related to and dependent upon other social science departments at State College and at other units

AGRICULTURE

of The Consolidated University. Students majoring in rural sociology are expected to take courses in such departments as Psychology, Statistics, Economics, Agricultural Economics, History and Political Science. Agricultural electives may be chosen by rural sociology students from a list of courses most closely related to sociology, including economic theory, adult education, agricultural cooperation, agricultural policy, genetics, statistics, and human physiology.

The Department also functions in a similar service capacity to other departments, both in the School of Agriculture and in the entire college. Students majoring in any of the technical agricultural curricula may take courses in rural sociology as electives in either social science or agriculture; courses offered by the Department may be chosen as social science electives by students from any department in the College.

CURRICULUM

As will be noted below, students in rural sociology have a wide choice of courses. This is true not only in the social sciences but also in the physical and biological sciences, the humanities, and technical agriculture. Consequently, the student can modify his program as his vocational and avocational goals change, thus qualifying himself for further professional training or for employment requiring specialized knowledge.

FACILITIES

The Department of Rural Sociology is constantly engaged in sociological studies of rural population, rural standards and levels of living, rural communities, and related problems. Funds, laboratory equipment, and other facilities for this work are provided by the Agricultural Experiment Station and are available for the use of advanced students under the supervision of faculty members. In a broader sense the entire state is a laboratory for the study of rural social problems. The field work phases of the research projects may be carried out by advanced students at appropriate times throughout the year.

OPPORTUNITIES

Graduates of this Department may obtain employment as community organization specialists, county agents, social welfare workers, social statisticians, administrators and managers of both public and private social agencies, college teachers, research workers, and in many other capacities. Among the institutions offering employment to graduates are land-grant colleges, agricultural experiment stations, and extension services; the United States Departments of Agriculture, State, and Health, Education and Welfare; state departments of welfare, health, and education; farm journals and newspapers; voluntary social agencies, such as Red Cross, Community Chest, and Boy Scouts; and rural fraternal organizations and cooperatives. The range of vocational pursuits open to rural sociology graduates is constantly widening.

CURRICULUM IN RURAL SOCIOLOGY

A minimum of 146 credits required for graduation

1 See page 38.

		Credits
2	AGC 212 Economics of Agriculture	0 3
	CH 101 General Inorganic Chemistry	4 0
	CH 203 General and Organic Chemistry	0 4
	EC 201 Economics	3 0
	HI 261 The United States in Western Civilization	0 3
	PY 211 General Physics	0 4
	PSY 200 Introduction to Psychology	3 0
	RS 301 Sociology of Rural Life	3 0

	MS 201, 202	Electives Military Science or	3	3
	or			
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			19	20
3	SOI 200	Soils	4	0
	ENG 231	Basic Speaking Skills	3	0
	ENG 362	Backgrounds of English Civilization	0	3
	PS 201	The American Governmental System	0	3
	RS 321	Introduction to Social Research	3	0
	RS 442	Rural Social Structure	0	3
	SOC 251	General Anthropology	2	0
	ST 311	Introduction to Statistics	0	3
		Electives	3	3
		Advanced Military or Air Science	3	3
			<hr/>	<hr/>
			18	18
4		English elective	3	
		Four courses in rural sociology and related social sciences	6	6
		Electives	6	6
		Advanced Military or Air Science or		
		Electives	3	3
			<hr/>	<hr/>
			18	15

SOILS

Professor J. W. FITTS, Head of the Department

Assistant Professor HOMER C. FOLKS, In Charge, Soils Teaching

Professors W. V. BARTHOLOMEW, N. T. COLEMAN, W. E. COLWELL, N. S. HALL, J. F. LUTZ, S. L. TISDALE, W. G. WOLTZ, W. W. WOODHOUSE, JR.

Associate Professors W. D. LEE, R. H. MCCracken, A. MEHLICH, J. R. PILAND, W. H. RANKIN, AND C. H. M. VAN BAVEL

Assistant Professors E. J. KAMPRATH, C. B. McCANTS, P. H. REID, R. H. VOLK, S. B. WEED

OBJECTIVES

The primary objectives of the Soils curriculum are to train students in the fundamental principles of Soils, their utilization and management. Soils constitutes one of the largest capital investments in farming and proper soil management is essential for efficient production. Therefore, the demand by education, research and service agencies and by industry for men trained in soils should continue to be great.

FACILITIES

Excellent office, lecture rooms and laboratory facilities are provided for the Department of Soils in Williams Hall, a new, modern building. In addition, greenhouses are located immediately to the south of Williams Hall in which both teaching and research are conducted. With an extensive research program in operation it is necessary to carry on part of this research at out-lying experimental farms. There are seventeen experimental farms located throughout the state in the major agricul-

AGRICULTURE

tural areas. Both undergraduate and graduate students have the opportunity of observing and participating in current research on these farms.

OPPORTUNITIES — — — — —

Soils graduates are trained to fill positions as County Extension agents; farm operators and managers; Soil Conservation Service representatives; technicians or salesmen in fertilizer companies and similar commercial concerns; and as leaders in other areas of agricultural work. Provision is also made in the soils curriculum for those students who wish to obtain a more thorough training in Mathematics, Chemistry, Physics and Biological sciences in anticipation of graduate study. Students with advanced degrees have unlimited opportunities in teaching, research and extension and state and federal institutions as well as increasing opportunities with commercial concerns.

STUDENT TOUR — — — — —

One of the highlights of the undergraduate curriculum is a tour of the State taken jointly by the students in Soils and Field Crops during the junior year. This tour is normally taken immediately following the end of the spring term and lasts for approximately six days. During this time the student visits all of the principal farming regions in the state and has an opportunity to observe management practices used on representative farms in each region. He also visits a number of the state agricultural experiment stations as well as various commercial concerns such as fertilizer manufacturers, seed producers, and tobacco companies. This tour serves the purpose of providing the student with a better concept of the various agricultural enterprises throughout North Carolina.

GENERAL SOIL SCIENCE CURRICULUM — — — — —

The general Soils curriculum is designed to give a student basic training in agricultural science with emphasis on soils as a medium for plant growth.

146 Credits required for graduation

1 See page 38

			Credits
2	CH 101	General Inorganic Chemistry (if not taken in Freshman Year)	4 0
	CH 103	General and Qualitative Chemistry or	
	CH 203	General and Organic Chemistry	4 or 0 4 or 0
	EC 201	Economics and	
	AGC 212	Economics of Agriculture	3 3
	PY 211	General Physics and	
	HI 261	The United States in Western Civilization	4 or 3 4 or 3
		Third and Fourth year required courses* or	
		Advised electives	6 6 or 9
	MS 201, 202	Military Science or	
	AS 221, 222	Air Science	2 2
	PE 201, 202	Physical Education	1 1
			19 or 20 19 or 20

A. Required Courses

3	ENG 231	Basic Speaking Skills	Credits
		English Elective	3
↑	MIG 120	Physical Geology	3
	PS 201	American Governmental System	3
↓	RS 301	Sociology of Rural Life	3
		Humanities	6
4	BO 412	General Bacteriology	4
	BO 421	Plant Physiology	4
	SOI 200	Soils	4
	SOI 302	Soils and Plant Growth	3
	SOI 341	Soil Fertility and Fertilizers	3
	SOI 352	Soil Classification	3
	SOI 461	Soil Conservation and Management	3
			—
			45

B. Advised Electives

1. If advanced military is taken a student should elect 12 additional credits from the following list. Courses other than those listed may be taken with the approval of the adviser.
2. If advanced military is not taken, 24 additional credits should be elected from the following list. Courses other than those listed may be taken with the approval of the adviser.

AGE 321	Irrigation, Drainage and Terracing	3
AGC 303	Farm Management I	3
AGC 405	Agricultural Law	3
CH 215	Quantitative Analysis	4
FC 211	Field Crops	3
FC 312	Pasture and Forage Crops	3
FC 413	Plant Breeding	3
FC 414	Weeds and Their Control	3
AI 201	Elements of Dairy Science	4
AI 202	Fundamentals of Animal Husbandry	4
BO 203	Introduction to Systematic Botany	3
BO 441	Plant Ecology	3
ENT 312	Economic Entomology	3
FOR 311	Principles of Farm Forestry	2
GN 411	Principles of Genetics	3
MIG 330	Mineralogy	3
HRT 421	Fruit Production	3
HRT 432	Vegetable Production	3
PP 315	Plant Diseases	3
PO 201	Chicken and Turkey Production	4
ST 311	Introduction to Statistics	3

STATISTICS

See Experimental Statistics

* Courses which are listed as required in the Junior and Senior year may be taken in the Sophomore year with permission of the adviser. It is desirable for the student to take SOI 200, BO 421 and MIG 120 in the Sophomore year if possible.

AGRICULTURE

ZOOLOGY — — — — —

Professor F. S. BARKALOW, JR., Head of the Department

Professors B. B. BRANDT, R. HARKEMA

Associate Professors R. B. CASADY, D. S. GROSCH, T. L. QUAY

Assistant Professors W. W. HASSLER, E. M. LOWRY

Instructor H. A. OGREN

OBJECTIVES — — — — —

The Department of Zoology at North Carolina State College is organized to serve three purposes. (1) It serves the schools of Agriculture, Forestry, and Education by teaching courses of a fundamental nature essential to complete understanding and mastery of applied science. (2) It provides training in technical zoology which prepares students for positions in industrial and government laboratories. (3) It provides undergraduate curricula leading to graduate and professional training in the dental, medical, veterinary, and advanced zoological sciences. (4) It furnishes potential leaders in the field of wildlife conservation and game management through a curriculum in Wildlife Conservation and Management which is offered as part of the work in zoology.

CURRICULUM IN WILDLIFE CONSERVATION AND MANAGEMENT — —

Interest in wildlife, hunting, and fishing is prerequisite to a career as a wildlife biologist, but enthusiasm alone is not sufficient. A student must possess scholastic aptitude, initiative, and the ability to use the tools of pure and applied biology.

The wildlife curriculum is based on the following principles: all major forms of plant and animal life must be considered in wildlife management; if provided a favorable environment, a wildlife species will usually produce surpluses which can be harvested. Since wildlife conservation and management is essentially applied biology, the curriculum is designed to provide a thorough knowledge of zoology and botany.

Every phase of the wildlife field involves numerous contacts with the public. The ability to speak and write effectively is a valuable asset. The course requirements in English and the humanities were selected to provide such training.

Stream pollution and fisheries problems require a knowledge of chemistry for their solution. Adequate courses are included in the curriculum to satisfy this training need.

CURRICULUM IN ZOOLOGY — — — — —

The curriculum in Zoology is designed to train the student in the fundamental principles of zoology and the application of these principles to the various fields of agriculture. The curriculum prepares students for further training in animal ecology, wildlife, or zoology at the graduate level. It is also available to those pre-veterinary, pre-medical and pre-dental students who wish additional training in the zoological field.

1. The curriculum in Zoology follows the general curriculum in Agriculture as outlined in the catalog, page 40.
2. At least four courses in addition to General Zoology will be elected from offerings of the Zoology Department. Two of these must be (1) Comparative Anatomy, and (2) Animal Physiology.
3. Recommended courses in allied fields will include: genetics, entomology, bacteriology, systematic botany, plant ecology, and plant pathology.
4. A foreign language is advisable and recommended for those preparing for graduate study.

OPPORTUNITIES

The zoology curriculum is sufficiently flexible to provide the basic training for students who wish to continue their education at the graduate level, or its equivalent, in the numerous special phases of the biological sciences, such as parasitology, genetics, anatomy, physiology, wildlife, the allied medical and veterinary fields, and others.

Five categories of positions are available to wildlife graduates: administrative, law enforcement, refuge, education, and research. Agencies employing the majority of trained men are: State games and fish departments, U. S. Fish and Wildlife Service, U. S. Forest Service, U. S. Soil Conservation Service, U. S. National Park Service, and other federal land-use departments. The curriculum is designed to furnish a technical and practical foundation for employment with these agencies.

Employment opportunities continue to be good, especially at the graduate level. No excess of wildlife graduates is anticipated in the immediate future.

Unusual advantages are offered by the wide range of natural environments in the North Carolina Coastal Plain, Piedmont and Mountain Regions. Close cooperation with the North Carolina Wildlife Resources Commission provide opportunities for observing developments in wildlife management on its fifteen wildlife management and refuge areas.

SPECIALIZED CURRICULUM IN WILDLIFE CONSERVATION

AND MANAGEMENT

			Credits	
1	AG 101	Agriculture and World Affairs	3	0
	BO 101, 102	General Botany	3	3
	ENG 111, 112	Composition	3	3
	HI 261	The United States in Western Civilization	3	0
	MA 111	Algebra and Trigonometry	0	4
	PS 201	The American Governmental System	0	3
	ZO 101, 102	General Zoology	3	3
	MS 101, 102	Military Science or		
	or			
	AS 121, 122	Air Science	2	2
2	PE 101, 102	Physical Education	1	1
			18	19
	CH 101	General Inorganic Chemistry	4	0
	CH 203	General and Organic Chemistry	0	4
	EC 201	Economics	3	0
	MA 112	Analytic Geometry and Calculus A	0	4
	PY 211	General Physics	0	4
	ZO 223	Comparative Anatomy	4	0
	ZO 252	Ornithology	0	3
	ZO 321	Wildlife and Natural Resource Conservation	3	0
	MS 201, 202	Military Science or		
	or			
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
		Botany Elective	2	0
			19	18

AGRICULTURE

			Credits	
3	SOI 200	Soils	4	0
	BO 203	Introduction to Systematic Botany	0	3
	CH 103	General and Qualitative Chemistry	0	4
		English Elective	3	or 3
	ENT 301	Introduction to Forest Insects or		
	ENT 312	Economic Entomology	3	or 3
	FOR 311	Principles of Farm Forestry	2	0
	RS 301	Sociology of Rural Life	0	3
	ZO 301	Animal Physiology	0	3
	ZO 521	Fishery Biology	3	0
		Advanced Military or Air Science or		
		Recommended Electives	5	3
			<hr/>	<hr/>
			17	19
4	BO 441	Plant Ecology	3	0
	ENG 231	Basic Speaking Skills	3	0
	MIG 120	Physical Geology	0	3
	ZO 315	Animal Parasitology	0	3
	ZO 522	Animal Ecology	0	3
	ZO 551, 552	Wildlife Management	3	3
		Advanced Military or Air Science or		
		Recommended Elective	3	0
		Advanced Military or Air Science or		
		Free Elective	0	3
		Free Electives	6	3
			<hr/>	<hr/>
			18	18

Recommended Electives—Junior and Senior Years

Students not taking Advanced Military or Air Science are required to select nine hours of electives from the following list:

AGC 212	Economics of Agriculture	3
BO 412	General Bacteriology	4
BO 521	Systematic Botany of Monocot Families	3
BO 573	Aquatic Botany	3
GN 411	Principles of Genetics	3
CE 201	Surveying I	3
IA 203, or	Practical Drafting, or	
ME 101	Engineering Drawing	2 or 2

CURRICULUM FOR PRE-VETERINARY STUDENTS — — — — —

1	AG 101	Agriculture and World Affairs	3	0
	BO 101, 102	General Inorganic Chemistry	0	4
	CH 101	General Botany	3	3
	ENG 111, 112	Composition	3	3
	MA 111	Algebra and Trigonometry	4	0
	MA 112	Analytic Geometry and Calculus	0	4
	ZO 101, 102	General Zoology	3	3
	MS 101, 102	Military Science or		
	AS 121, 122	Air Science	2	2
	PE 101, 102	Physical Education and Hygiene	1	1
			<hr/>	<hr/>
			19	20

2	AI 201	Elementary Dairy Science	4	0 or 0-4
	AI 202	Fundamentals of Animal Industry	0	4 or 4-0
	CH 103	General and Qualitative Chemistry	4	0
	CH 203	General and Organic Chemistry	0	4
	HI 261	The United States in Western Civilization	0	3
	PY 211	General Physics	0	4
	PO 201	Chicken and Turkey Production	4	0
	ZO 223	Comparative Anatomy	4	0
	MS 201, 202	Military Science or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			19	18
3	CH 451	Introductory Biochemistry	3	0
	AGC 212	Economics of Agriculture	0	3
	EC 201	General Economics	3	0
	ENG	English Literature or writing	0	3
	ENG 231	Basic Speaking Skills	3	0
	SOI 200	Soils	0	4
	PS 201	The American Governmental System	0	3
	RS 301	Sociology of Rural Life	3	0
	Elective	Allied Field or Agri. Elective,		
		& Major Field	3	3
	Elective	(Humanities and/or Social Sciences)	3	3
			<hr/>	<hr/>
			18	19

4

With proper choice of courses in years 1-3 and with appropriate administrative approval, a maximum of 42 hours at veterinary school can count as the senior year for the B.S. in Agriculture. A total of 146 semester house is required for graduation.

The senior year may be spent at State College.

In either case, the General curriculum in Agriculture (as officially approved) will be followed.

— — — — — THE AGRICULTURAL EXPERIMENT STATION

D. W. COLVARD, *Dean of Agriculture*
R. W. CUMMINGS, *Director of Research*

— — — — — ESTABLISHMENT

The Agricultural Experiment Station was established in accordance with an Act of the General Assembly of 1877. Its progress has been enhanced by several Acts of Congress giving the Station additional funds: the Hatch Act of 1887, the Adams Act of 1906, the Purnell Act of 1925, the Bankhead-Jones Act of 1935, and the Research and Marketing Act of 1946. The North Carolina General Assembly has allocated to the Station annually certain funds from the General Fund.

— — — — — OBJECTIVES

The purpose of the Agricultural Experiment Station is to study the basic laws of nature underlying agricultural enterprises and to develop methods for economic production of the highest grades of livestock,

AGRICULTURE

poultry, and plants on the many soil types and under the varied conditions existing in North Carolina; to study methods for the control of parasitic insects and organisms that cause serious economic losses of animals, poultry, and plants; to find and develop varieties of animals, poultry, and plants new and resistant to diseases and the changeable conditions prevailing in the state; and to perfect better marketing for all agricultural products.

The staff of the Experiment Station conducts experiments in the greenhouses and laboratories of the College, and throughout the state on areas owned by farmers, on nineteen strategically located experimental farms, and on farms rented for short periods.

The agricultural research aims, through the discovery of new facts, to improve the well-being of farmers throughout the state; to strengthen the regulatory work of the State Department of Agriculture; to develop new and necessary facts for the teaching of sound agricultural principles by vocational agricultural instructors, agricultural extension agents, and agricultural instructors in the College.

The Agricultural Experiment Station staff brings to the College many experts, whose teaching in many specialized fields of agriculture assures the maintenance of curricula of high standards. It contributes much to the advanced training of students who are destined to become the leaders, teachers, and investigators necessary in the maintenance of agriculture on sound and economic planes.

PUBLICATIONS — — — — —

The Agricultural Experiment Station publishes many bulletins and scientific papers on results of research conducted by the staff. These are free and are sent upon request to anyone in the state.

SERVICES — — — — —

The staff diagnoses and interprets many problems for the farmers of North Carolina. It holds council with farmers and others interested in the agricultural industry, presents radio programs devoted to the discussion of farming procedures, and writes many letters on more specific problems of agriculture at the request of farmers, members of garden clubs, and manufacturers of fertilizer, fungicides, and insecticides. It also takes part in many of the administrative functions of the College.

COOPERATIVE AGRICULTURAL EXTENSION WORK — —

D. W. COLVARD, *Dean of Agriculture*

I. O. SCHAUB, *Director Emeritus of Extension*

DAVID S. WEAVER, *Director of Extension*

SUPPORT — — — — —

The Agricultural Extension Service of State College is conducted cooperatively with the United States Department of Agriculture and with the one hundred counties in North Carolina. Its work is supported by Federal funds derived from the Smith-Lever Act of 1914, the Capper-Ketcham Act of 1928, the Bankhead-Jones Act of 1935, the Bankhead-Flannagan Act of 1945, and by State and County appropriations. Federal and State appropriations are used to maintain an administrative and specialist staff and to supplement salaries and travel expenses of County Extension Agents, who are located at each county seat in the state.

OBJECTIVES

The purpose of the Extension Service is to take to the rural people of North Carolina the latest and best information obtainable for building a more prosperous and satisfying life on the farm. In carrying out this purpose, the College maintains a staff of trained specialists, a system of County Agents and assistants, and Home Demonstration Agents who work with the farmer and his family and who administer a state-wide educational program. In this program, the Extension Service employs a variety of methods and devices. These include methods and results demonstrations for group meetings, a training program for farm leaders within the community, and close contact with organized clubs of men, women, and young people. The service also publishes a great number of pamphlets, bulletins, and circulars which it distributes free. In addition, it holds a number of short courses, both on the College campus and elsewhere throughout the state, to offer rural leaders advice and training in creating better homes and farms and in using more efficient farming practices.

SHORT COURSES

These courses vary in length from a few days to eight weeks. They are designed for young people who desire some training in the principles of agriculture, but who find it impossible to take the regular college course, and for mature individuals who wish to become familiar with the most recent agricultural practices. It is the aim of these courses to make better farmers—to help them produce better fruit, vegetables, livestock, and poultry, and to obtain greater satisfaction and profit from the time, energy, and money expended. Most of the courses will be given during the winter months, and a bulletin will be issued each fall announcing the courses which will be offered during the following months. This bulletin and other information about the short courses may be secured by writing to the Director of Short Courses, College Extension Division, State College Station, Raleigh, North Carolina.

SCHOOL OF DESIGN

HENRY L. KAMPHOEFFNER, DEAN

INTRODUCTORY

In 1948 the School of Design was organized through the combination of the existing Departments of Architecture and Landscape Architecture. It is devoted and dedicated to the development of a native architecture and its accompanying art forms for the southern region.

The school in its teaching recognizes the dangers inherent in a materialist-mechanistic civilization where there may be an over-reliance on the machine and the mechanical devices available for use to man in his constructions for shelter. We give attention, therefore, to that larger responsibility of architecture, the art of humanizing the environment.

And, while the natural and organic aspects of design are stressed, the international and universal aspects of design are also respected and related to the humane patterns of life. We seek to integrate the architect as a social human being and the architect as scientist-engineer, and we encourage and nurture the architect-engineer as the coordinator of the structural dynamics in the over-all pattern of life.

While our first aim is to serve North Carolina and the regions of the south, we believe that our students will be equipped, through the teaching of the school, to work in any region.

Because character, a profound devotion, and an absolute professional commitment are prime ingredients of any creative activity where the social responsibilities are as vital as in architecture and design, we foster and cultivate the integrity of the individual.

Individual creative expression is emphasized as the epitome of good design, but teamwork is also encouraged and developed as a necessity of humane progress in the machine civilization of the day. We believe that the "prima donna" who isolates himself behind the intellectual barrier of his own self-sufficiency fails to recognize and understand the importance and necessity of the formal technique of compromise as a dominant factor of design as related to the social pattern of life—just as nature in all her workings adjusts to all pressures and all tensions.

The faculty of the School of Design has been selected for their individual and diverse personal philosophies and their individual yet divergent professional qualifications. We have brought together creative personalities willing in their teaching to subordinate their own professional interests to the pedagogically more important interests of their students. Here a community of scholars working each in his own way searches for the truth as he sees it, giving the young student the benefit of his professional knowledge, his technical training, and his experience as a citizen. We encourage the student to sift and sort this diversity of opinion, even though in this process he is usually stimulated and occasionally confounded. In the end we are confident that he arrives through this process at an ability to shape his own conclusions.

To combat the dangers of over-specialization we seek to develop the personality and character as a whole. The goal in the growth of the student is not only the mastery of the architectural techniques of the profession; but through the stimulation and development of the intellectual and emotional capacities together, a readiness is developed to meet the challenge of any environment.

The School of Design is intended to act as an educational center which unifies different design professions in the fundamental knowledge and methods which they share; its further intention is the education of men

who will be competent within the specific demands and limitations of a particular professional field of design. The existence of contemporary design is considered to be a requirement of contemporary man, and the greatest purpose of contemporary design is considered to be the solution of those requirements through full use of the ingenuity and knowledge of contemporary man. Through this point of view the technical and factual aspects of design present no conflict with its philosophical and aesthetic standards, for one is but the particularization of the other. The course is based upon a belief in the basic ambivalence of the process of designing.

The two professional fields, and future ones, have been grouped under one broad and unified study of the methods and values which are common to all designers, and they are separated only in the study of their application in the work of a single profession. Many classes throughout the curricula will include students in these professional fields; and for all students the course of study is the same during the first year in order that, having become more familiar with the whole scope of activity in design, they may then select the design profession in which they are most interested. When this selection has been made the unity of the school and frequent collaboration prevent the unnatural isolation of any professional group.

Training in drawing, painting, sculpture, and other visual arts is conducted by specialists within the staff of the School of Design; the essential knowledge of techniques and materials is taught by this faculty and other departments of the college; and the past and present of the professions are taught by this faculty. These ingredients of design training are assimilated through their application in the design courses. Thus the student is required to combine these studies increasingly as he advances through the course so that he may achieve that comprehensive combination which is a necessity in the designer. Much of the student's work will be done in laboratory courses since design is a matter of the application of knowledge rather than its mere accumulation. From his first day in class to his last the student is asked to design and he is counseled so that he may become a responsible professional in the broadest sense.

CURRICULA

The School of Design offers professional instruction to the undergraduate in Architecture and Landscape Architecture. A graduate program in both fields is being projected for the near future.

A third Department, of Products Design, is being planned which will concern itself with problems of form and aesthetics as related to the design and fabrication of industrial products. The new department will actively collaborate with a number of existing departments on the campus which are now engaged in management and production.

DEGREES

The five year curricula offer courses of study leading to the Bachelor of Architecture and the Bachelor of Landscape Architecture.

FACILITIES

In January, 1956, the School of Design moved to Brooks Hall on the College Campus. Brooks Hall is the former Hill Library, built in 1928 and vacated in 1954 after a new million and a quarter dollar library for the College was completed with State funds. The new Brooks Hall is a remodeling of 28,000 square feet of floor space and a new addition of 20,000 square feet. All of the facilities of the School are now in modern, especially designed quarters under one roof.

DESIGN

OPPORTUNITIES — — — — —

State law now requires the graduate architect to work not less than three years in the offices of registered architects and to pass the four day written examination given by the State Board of Architectural Examination and Registration before he is ready to commence his own practice. The great national boom in building construction since World War II has brought a tremendous volume of work into the offices of the south offering many attractive positions for the architectural graduate. The architectural graduate is also qualified for positions in certain branches of engineering, building research and teaching.

Usually the landscape architect practices in one of two ways. He may be a private practitioner with an office serving clients who come to him for help and advice in the same manner as a lawyer, engineer or architect; or he may be an employee of a private or public organization. Organizations commonly employing landscape architects include other practicing landscape architects, city planners, engineers, architects; national, state and municipal recreation agencies; parkway and highway departments housing agencies, planning commissions, conservation departments, and universities. Private concerns such as plant nurseries, pri-vate estates, botanical and zoological gardens, or construction companies may also employ landscape architects.

Testimony to the soundness of the course of study and program of North Carolina State College is reflected by two of the Department's recent graduates who have been awarded the Prix de Rome in Landscape Architecture—a prize awarded annually to any graduate landscape architect in the United States affording two years advance study in Europe and providing all expenses and residence at the American Academy in Rome.

ARCHITECTURE — — — — —

Professor WILLIAM L. BAUMGARTEN
Professor Emeritus ROSS SHUMAKER
Visiting Professor HORACIO CAMINOS
Associate Professors JOSEPH H. COX, CECIL D. ELLIOTT, ROY GUSSOW,
GEORGE MATSUMOTO, DUNCAN R. STUART
Visiting Associate Professor STEFAN BUZAS
Assistant Professors JAMES E. ADAMS, ENRIQUE MONTENEGRO
Visiting Assistant Professor GUISEPPI GUARNIERI
Instructors JULIAN BEINART, GEORGE L. BIRELINE, JR., CHARLES M.
SAPPENFIELD, HERBERT B. SIMON
Librarian MRS. JAMES A. LYONS

CURRICULUM — — — — —

	Credits	
ARC 101, 102	2	2
DN 101, 102	3	3
DN 111, 112	3	3
ENG 111, 112	3	3
MA 101, 102	5	4
MS 101, 102		
or	or	
AS 121, 122	2	2
PE 101, 102	1	1
	18	17

2	DN 201, 202	Design III, IV	4	5
	DN 211, 212	Descriptive Drawing III, IV	2	2
	EM 311	Mechanics I (Statics)	0	3
	MA 201	Calculus I	4	0
	PY 211, 212	General Physics	4	4
	SS 301, 302	Contemporary Civilization	3	3
	MS 201, 202	Military Science II		
		or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			20	20

Summer Requirement: Two Weeks on Regional Research Project.

3	ARC 301, 302	Architectural Design I, II	6	6
	CE 338, 339	Structures I, II	3	3
	DN 311, 312	Descriptive Drawing V, VI	2	2
	DN 331, 332	History of Design I, II	3	3
	EM 321	Strength of Materials I	3	0
	ME 377	Building Mechanics A	0	3
		Electives*	3	3
			<hr/>	<hr/>
			20	20

Summer Requirement: Eight Weeks on Approved Construction or Office Project.

4	ARC 401, 402	Architectural Design III, IV	6	6
	CE 435, 436	Structures III, IV	3	4
	DN 411, 412	Descriptive Drawing VII, VIII	2	2
	DN 422	Office Procedure I	0	2
	DN 431, 432	History of Design III, IV	3	3
	ME 373	Building Mechanics	3	0
		Electives*	3	3
			<hr/>	<hr/>
			20	20

5	ARC 501, 502	Architectural Design V, VI	6	6
	CE 497, 498	Engineering Consultation	2	2
	DN 511, 512	Descriptive Drawing IX, X	2	2
	DN 521	Office Procedure II	2	0
	DN 531	History of Design V	3	0
		Philosophy of Design I, II	2	2
		Electives**	3	9
			<hr/>	<hr/>
			20	21

* The curriculum in Architectural Engineering was discontinued in September, 1948.

** Six credits of elective in the 5th year will be required in American, English, or World Literature, the remaining six in the Humanities and Social Sciences. Advanced Military may be selected as an elective in the 3rd and 4th year.

Total Credits for the Bachelor of Architecture—196.

— LANDSCAPE ARCHITECTURE

Professor EDWIN G. THURLOW

Associate Professors JOSEPH H. COX, ROY GUSSOW, DUNCAN R. STUART

Visiting Associate Professor LEWIS J. CLARKE

Assistant Professor ENRIQUE MONTENEGRO

Instructors GEORGE L. BIRELINE, JR., HERBERT B. SIMON

DESIGN

CURRICULUM

			Credits	
1	DN 101, 102	Design I, II	3	3
	DN 111, 112	Descriptive Drawing I, II	3	3
	ENG 111, 112	Composition	3	3
	MA 111, 112	Algebra and Trigonometry	4	4
	ME 103, 104	Descriptive Geometry	2	2
	MS 101, 102	Military Science I		
		or		
	AS 201, 262	Air Science I	2	2
	PE 101, 102	Physical Education	1	1
			<hr/> 17	<hr/> 17
2	BO 101	General Botany	3	0
	CE 201	Surveying I	3	0
	DN 201, 202	Design III, IV	4	5
	DN 211, 212	Descriptive Drawing III, IV	2	2
	EM 311	Mechanics I (Statics)	0	3
	LA 212	Landscape Construction I	0	3
	SS 301, 302	Contemporary Civilization	3	3
	MS 201, 202	Military Science II		
		or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			<hr/> 18	<hr/> 19
3	DN 311, 312	Descriptive Drawing V, VI	2	2
	DN 331, 332	History of Design I, II	3	3
	HRT 201, 202	Woody Plants	3	3
	LA 301, 302	Landscape Design I, II	6	6
	LA 311, 312	Landscape Construction & Materials I, II	4	4
		Electives*	3	3
			<hr/> 21	<hr/> 21
Summer Requirement: Two weeks on Regional Research Project				
4	DN 411, 412	Descriptive Drawing VII, VIII	2	2
	DN 431, 432	History of Design III, IV	3	3
	HRT 212	Herbaceous Plants	0	2
	LA 401, 402	Landscape Design III, IV	6	6
	LA 421, 422	Planting Design	4	4
		Electives*	6	3
			<hr/> 21	<hr/> 20
Summer Requirement: Eight weeks Approved Professional Experience.				
	DN 422, 521	Office Procedure I, II	2	2
	DN 511, 512	Descriptive Drawing IX, X	2	2
	DN 531	History of Design V	3	3
	DN 541, 542	Philosophy of Design I, II	2	2
	LA 501, 502	Landscape Design V, VI	8	9
		Electives*	4	6
			<hr/> 21	<hr/> 21

* Six credits of elective will be required in American, English, or World Literature, the remaining six in Humanities and Social Science. Advanced Military may be selected as an elective in the 3rd or 4th year.

Total Credits for the Bachelor of Landscape Architecture—196

SCHOOL OF EDUCATION

J. BRYANT KIRKLAND, DEAN

T. E. BROWNE, DIRECTOR EMERITUS

— INTRODUCTORY

The maximal social and economic development of the citizenry of North Carolina is dependent to a great extent upon the contributions of its educational institutions. The current and anticipated increase in the population of secondary school age youth necessitates a greater number of competent teachers in the public schools of North Carolina, particularly in the areas of vocational agriculture, industrial arts, industrial education, mathematics, and science.

The School of Education comprises the following departments: Agricultural Education, Industrial Arts, Industrial Education, Industrial and Rural Recreation, Mathematics and Science Education, Occupational Information and Guidance, and Psychology.

The Department of Agricultural Education is the only one in this state that prepares teachers of vocational agriculture to conduct organized instructional programs of vocational agriculture for prospective and present farmers.

If the youth of North Carolina, particularly those in the non-farm areas, are to become familiar with the increasingly available occupational opportunities which accompany an industrial expansion and are to be given the training needed for entrance into the industrial occupations of their choice, public schools will need to employ a larger number of competent teachers of Industrial Arts and Industrial Education.

The acute shortage of persons qualified to teach Mathematics and Science in the public schools and the demand for graduates with Mathematics and Science backgrounds in industrial positions have made employment opportunities in these areas very good.

Improved methods in industry and the use of mechanized equipment on farms have resulted in more leisure time on the part of urban and rural workers and their families. The Department of Industrial and Rural Recreation contributes much to a better use of this leisure time by training recreational leaders for the municipalities, industries, and rural areas of the state.

The Department of Occupational Information and Guidance provides the public schools with teachers and vocational counselors who render valuable assistance to high school youth in making wise vocational choices.

The Department of Psychology serves the various industries in the state by helping to improve their personnel selection programs and by conducting research designed to ascertain what factors influence efficiency of industrial employees.

The primary purpose of the Departments of Agricultural Education, Industrial Arts, Industrial Education, and Mathematics and Science Education is that of preparing students to become teachers in North Carolina's public schools. Satisfactory completion of the curriculum requirements in any of these departments qualifies a graduate to receive an A Grade certificate to teach in his chosen subject matter area.

EDUCATION

The curriculum in Industrial and Rural Recreation is designed primarily to prepare students to become leaders of recreation programs in industry, institutions, and rural areas.

The Department of Psychology and Occupational Information and Guidance offer service courses for undergraduate students in the School of Education and other schools. These departments are primarily concerned, however, with offering professional instruction at the graduate level for Industrial Psychologists and Vocational Counselors.

CURRICULAR OFFERINGS AND DEGREES — — — — —

Upon the satisfactory completion of one of the undergraduate curricula in the School of Education, a student is eligible to receive the degree of Bachelor of Science with the name of his area of specialization: in Agricultural Education, Industrial Arts, Industrial Education, Industrial and Rural Recreation, Mathematics Education and Science Education.

The Master of Agricultural Education, Industrial Arts Education, Industrial Education, and Occupational Information and Guidance is awarded to students in Education who meet the general requirements of the Graduate School and the specific requirements of the respective departments in which graduate work is taken. Graduate students enrolled in any of the above departments and Psychology who wish to engage in more concentrated study in their major field of interest and to conduct research in this field may earn a research degree—Master of Science—in their respective department of specialization. The specific requirements for undergraduate and graduate degrees are included in the departmental write-ups on pages....

AGRICULTURAL EDUCATION — — — — —

Professor C. C. SCARBOROUGH, Head of the Department

Professor Emeritus LEON E. COOK

Professors L. O. ARMSTRONG, J. K. COGGIN, J. B. KIRKLAND

Associate Professors F. A. NYLUND, G. B. JAMES

OBJECTIVES — — — — —

The Department of Agricultural Education is responsible for supplying the public schools with an adequate number of competent teachers of vocational agriculture. Since most of his work as a teacher of vocational agriculture will be done with farm people, the student planning to teach should have lived on the farm. If he is not farm-reared, he will be expected to secure farm experience before he graduates. Enrollment in vocational agriculture in high school with a good supervised farming program contributes to his preparation for teaching vocational agriculture.

The Agricultural Education department provides professional training for students who plan to teach vocational agriculture in high schools. Some graduates, however, go into other work in agriculture, and others do graduate work in agricultural education.

OPPORTUNITIES — — — — —

There is a great need for teachers of vocational agriculture in North Carolina, with every indication that the demand will be greater in the future. At present, there are 486 white teachers of vocational agriculture in 99 counties in the state. The program is one of the largest in the United States.

GRADUATE STUDY — — — — —

The department provides opportunities for fully qualified students to do graduate work in Agricultural Education. Graduate students in this

field may qualify for either the Master of Science degree or for the degree of Master of Agricultural Education. Detailed information concerning these degrees may be secured from the Department of Agricultural Education or from the Dean of the Graduate School.

— — — — — CURRICULUM IN AGRICULTURAL EDUCATION

			Credits	
1	AG 101	Agriculture and World Affairs	3	0
	AGE 201	Farm Shop Woodwork	2	0
	AGE 202	Farm Shop Metalwork	0	2
	ED 101	Introduction to Agricultural Education	1	0
	ED 102	Objectives in Vocational Agriculture	0	1
	ENG 111, 112	Composition	3	3
	MA 111	Algebra and Trigonometry	4	0
	PO 201	Chicken and Turkey Production	0	4
	ZO 101	General Zoology	0	3
	MS 101, 102	Military Science I or		
	or			
	AS 121, 122	Air Science I	2	2
	PE 101, 102	Physical Education	1	1
			<hr/> 16	<hr/> 16
2	AGE 211	Farm Power and Machinery I	0	3
	BO 101, 102	General Botany	3	3
	CH 101	General Inorganic Chemistry	4	0
	CH 203	General and Organic Chemistry	0	4
	EC 201	Economics	0	3
	ED 201	FFA in Vocational Agriculture	1	0
	REC 251	Social Recreation	0	3
	MS 201, 202	Military Science II or		
	or			
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		History Elective	3	0
		Agriculture Elective	5	0
			<hr/> 19	<hr/> 19
3	AGC 212	Economics of Agriculture	3	0
	AGC 303	Farm Management I	0	3
	ED 313	Organizing Programs of		
		Vocational Agriculture	0	3
	ED 344	Secondary Education	0	2
	PY 211	General Physics	4	0
	PSY 304	Educational Psychology	3	0
	PSY 476	Psychology of Adolescence	0	2
	RS 301	Sociology of Rural Life	3	0
	SOI 200	Soils	4	0
		Agricultural Engineering Elective	0	3
		English Elective	0	3
		Free Electives	3	3
			<hr/> 20	<hr/> 19

EDUCATION

4	AGE 401	Farm Shop Organization and Management	3	0
	ED 411	Student Teaching in Agriculture	6	0
	ED 412	Teaching Adults	2	0
	ED 413	Teaching Materials	2	0
	ED 420	Principles of Guidance	0	2
	ED 430	Senior Seminar	0	1
	RS 321	Introduction to Social Research	2	0
		Biological Science Elective		3
		Agriculture Elective	0	6
		English Elective	0	3
		Political Science Elective	0	3
		Free Electives*	3	3
			18	21

Summer Practice (2 weeks) is required prior to senior year.
* Students taking advanced ROTC will take 18 hours fall semester; other students will get the 3-hour free elective some other semester.

INDUSTRIAL ARTS — — — — —

Professor IVAN HOSTETLER, *Head of the Department*
Associate Professor MARSHALL L. SCHMITT
Assistant Professor ROBERT T. TROXLER

OBJECTIVES — — — — —

Industrial Arts comprises that area of education which concerns itself with materials, processes, and products of industry. It is concerned with a study of changes made in materials to make them more useful and with the problems related to these changes. The processes involved in changing these materials to useful products constitute the laboratory work in an Industrial Arts Program.

Students, therefore, should have an active interest in industrial materials, processes, products and problems in such areas as woods, metals, electricity, ceramics, graphic arts and plastics. They should enjoy working with hand and machine tools. A wide range of technical skills, practical experience and a knowledge of labor and labor problems is very important.

The Department of Industrial Arts at North Carolina State College performs two functions: First, it prepares teachers and supervisors of industrial arts for secondary schools, and, second, it provides practical training for students interested in technical jobs in industry, such as industrial work in production, personnel, sales, estimating, job training and safety.

OPPORTUNITIES — — — — —

The opportunities for employment as industrial arts teachers in North Carolina are greater than ever before. Less than one-fourth of the public schools have teachers of industrial arts. The demand for industrial employment is also very great.

GRADUATE STUDY — — — — —

Opportunities are provided for students fully qualified to do graduate work leading to the degree of Master of Industrial Arts Education or Master of Science in Industrial Arts Education. For additional information regarding graduate study, the Graduate School Catalog should be consulted.

CURRICULUM IN INDUSTRIAL ARTS

			Credits	
1	ENG 111, 112	Composition	3	3
	HI 252	The United States Since 1865	0	3
	IA 100	Introduction to Industrial Arts	1	0
	IA 103, 104	Industrial Arts Drawing	3	3
	IA 106	Laboratory of Industries	3	0
	IA 107	General Woodwork	0	3
	MA 111	Alegbra and Trigonometry	4	0
	MA 122	Mathematics of Finance	0	4
	MS 101, 102	Military Science I		
	or	or		
	AS 121, 122	Air Science I	2	2
	PE 101, 102	Physical Education	1	1
			17	19
2	CH 101	General Inorganic Chemistry	4	0
	EC 201	Economics	0	3
	ENG 231	Basic Speaking Skills	3	0
	IA 108	General Woodwork	3	0
	IA 205	Industrial Arts Design	0	2
	IA 206, 207	General Metalwork	3	3
	PS 201	The American Governmental System	3	0
	PY 211	General Physics	0	4
	SOC 202	Man and Society	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			19	18
3	ED 308	Visual Aids	0	2
	ED 344	Secondary Education	2	0
	ED 345	Field Work in Secondary Education	0	2
	ED 422	Methods of Teaching Industrial Subjects	0	3
	IA 306	Graphic Arts	3	0
	IA 307	General Electricity	3	0
	IA 308	Industrial Arts Electronics	0	3
	IA 320	Tools and Materials	2	0
	PSY 304	Educational Psychology	3	0
	PSY 476	Psychology of Adolescence	0	2
		English Elective	3	0
		Electives	3	6
			19	18
4	ED 420	Principles of Guidance	0	2
	ED 444	Student Teaching in Industrial Subjects	6	0
	ED 482	Curriculum Problems in Industrial Arts	2	0
	ED 483	Instructional Aids and Devices	2	0
	ED 524	Occupational Information	0	2
	IA 460	General Shop	3	0
	IA 484	School Shop Planning and Equipment		
		Selection	0	3
		Electives	6	12
			19	19

CURRICULUM IN INDUSTRIAL ARTS—TECHNICAL OPTION — — —

Freshman and Sophomore Years Same as in Industrial Arts Education

			Credits	
3	EC 202	Economics	3	0
	IA 307	General Electricity	3	0
	IA 308	Industrial Arts Electronics	0	3
	IA 321	Metalwork Technology	0	2
	IE 310	Industrial Safety	2	0
	IE 332	Motion and Time Study	4	0
	PSY 200	Introduction to Psychology	3	0
	PSY 337	Industrial Psychology I	0	3
	SOC 301	Human Behavior	0	3
		Electives	3	6
			18	20
4	EC 425	Industrial Management	3	0
	EC 426	Personnel Management	0	3
	EC 431	Labor Problems	2	0
	EC 432	Industrial Relations	2	0
	ED 524	Occupational Information	0	2
	IA 320	Tools and Materials	2	0
	IA 580	Modern Industries	0	2
	IE 408	Production Control	3	0
	IE 430	Job Evaluation and Wage Administration	0	3
		Electives	6	9
			18	19

INDUSTRIAL EDUCATION — — — — —

OBJECTIVES — — — — —

The Department of Industrial Education is the only one in the state that prepares teachers of Industrial Education for the public schools. The main goal is to provide public schools with adequately trained personnel who can, in turn, help to develop a vitally needed reservoir of skilled workers and technical personnel to man established industries as well as prepare for new industries. The curriculum is planned to provide students with broad cultural and professional backgrounds to parallel occupational experience.

Candidates for a degree must have had at least two years of successful trade experience in the trade they wish to teach. The student who has not had this trade experience when he enters must fulfill the requirement before graduation either by working part of the school year or by completing the work experience after finishing the required resident courses.

OPPORTUNITIES — — — — —

The student who complete this curriculum will be prepared to teach in the all-day trade schools, area vocational schools, and the part-time, or evening vocational classes. Graduates have no difficulty in obtaining employment as Industrial Education teachers.

GRADUATE STUDY — — — — —

General and specialized professional courses are available to qualified students who wish to pursue graduate study as Industrial Education teachers, supervisors or coordinators of diversified occupations. The com-

pletion of the Master of Industrial Education or Master of Science degree in Industrial Education will also qualify one for a Graduate Certificate in North Carolina.

CURRICULUM IN INDUSTRIAL EDUCATION — — — — —

A minimum of 148 semester credits required for graduation

			Credits	
1	ED 100	Introduction to Industrial Education	2	0
	ENG 111, 112	Composition	3	3
	HI 252	The United States Since 1865	0	3
	IA 103, 104	Industrial Arts Drawing	3	3
	MA 111	Algebra and Trigonometry	4	0
	MA 122	Mathematics of Finance	0	4
	MS 101, 102	Military Science I		
	or	or		
	AS 121, 122	Air Science I	2	2
	PE 101, 102	Physical Education	1	1
		Electives*	2	3
			<hr/>	<hr/>
			17	19
2	CH 101	General Inorganic Chemistry	4	0
	EC 201	Economics	0	3
	ENG 231	Basic Speaking Skills	3	0
	PS 201	American Governmental System	3	0
	PY 211	General Physics	0	4
	SOC 202	Man and Society	3	0
	SOC 301	Human Behavior	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		Electives*	3	6
			<hr/>	<hr/>
			19	19
3	EC 202	Economics	3	0
	EC 312	Accounting for Engineers	0	3
	ED 308	Visual Aids	0	2
	ED 344	Secondary Education	2	0
	ED 345	Field Work in Secondary Education	0	2
	ED 422	Methods of Teaching Industrial Subjects	0	3
	IE 310	Industrial Safety	2	0
	PSY 304	Educational Psychology	3	0
	PSY 476	Psychology of Adolescence	0	2
	REC 333	First Aid and Safety	2	0
		English Elective	0	3
		Electives	7	3
			<hr/>	<hr/>
			19	18

EDUCATION

4	ED 420	Principles of Guidance	0	2
	ED 440	Vocational Education	2	0
	ED 444	Student Teaching in Industrial Subjects	6	0
	ED 516	Community Occupational Surveys	0	2
	ED 433	Instructional Aids and Devices	2	0
	ED 524	Occupational Information	0	2
	ED 525	Trade Analysis and Course Construction	2	0
	ED 527	Philosophy of Industrial Education	0	2
	PSY 337	Industrial Psychology	0	3
		Electives*	6	8
			18	19

* Electives to be selected with aid of advisor to meet special needs of individual students.

INDUSTRIAL AND RURAL RECREATION — — — — —

Professor THOMAS I. HINES, *Head of Department*

Associate Professor LATHAM L. MILLER

Assistant Professors CHARLES C. STOTT, ALBERT CRAWFORD

OBJECTIVES — — — — —

The Department of Industrial and Rural Recreation provides training for students who plan to become recreation leaders in industry, municipalities, institutions and rural communities. The recreation profession recognizes the importance of leaders who possess the competence needed to plan and supervise effective recreation programs. Competent leadership is the major factor affecting the scope, intensity and success of a program of organized recreation. A curriculum in Park Administration is also offered for students who plan to engage in the administration of local, county or state parks.

All students pursue the same program for the first two years after which they declare an option (Industrial, Rural, Institutional or Park Administration) and take courses designed to meet the needs in their respective area of specialization.

OPPORTUNITIES — — — — —

The demand for properly trained recreation leadership has increased rapidly in recent years. The number of graduates has not been sufficient to meet the demand for recreation leaders.

CURRICULUM OF INDUSTRIAL AND RURAL RECREATION — — — — —

A minimum of 149 semester credits required for graduation.

1	ENG 111, 112	Composition	3	3
	HI 252	U. S. History Since 1865	3	0
	MA 111	Algebra and Trigonometry	4	0
	PS 201	American Governmental System	0	3
	REC 152	Introduction to Recreation	3	0
	REC 153	Aquatic Sports	0	2
	SOC 202	Man and Society	0	3
	ZO 101, 102	General Zoology	3	3
	MS 101, 102	Military Science I		
	or	or		
	AS 121, 122*	Air Science I	2	2
	PE 101, 102	Physical Education*	1	1
			19	17

— OPTION IN INDUSTRIAL RECREATION

			Credits	
2	EC 201, 202	General Economics	3	3
	ENG 231	Basic Speaking Skills	3	0
	ENG 215	Principles of News and Article Writing	0	3
	RFC 201	Playground Leadership	2	0
	REC 251	Social Recreation I	3	0
	REC 252	Social Recreation II	0	3
	REC 253	Principles of Physical Education	3	0
	SOC 301	Human Behavior	0	3
	ZO 212	Human Anatomy	3	0
	ZO 213	Human Physiology	0	3
	MS 201, 202	Military Science II		
	or	or		
AS 121, 122*	Air Science II	2	2	
PE 201, 202	Physical Education*	1	1	
			20	11

3	EC 425	Industrial Management	3	0
	EC 426	Personnel Management	0	3
	ED 308	Visual Aids	2	0
	IA 314	Recreational Arts and Crafts	0	2
	MA 122	Mathematics of Finance		
	or	or		
	EC 312	Accounting for Engineers	0	4
	PSY 200	Introduction to Psychology	3	0
	PSY 302	Psychology of Personality and Adjustment	0	3
	REC 333	First Aid and Safety	2	0
	REC 351	Individual Sports in Recreation	3	0
	REC 352	Team Sports in Recreation	0	3
	REC 353	Camp Organization and Leadership	0	3
	REC 354	Personal and Community Hygiene	3	0
	Electives	3	3	
		19	21	

4	EC 431	Labor Problems	2	0
	PSY 337	Industrial Psychology I	3	0
	REC 401	Principles and Practices of Industrial Recreation	2	0
	REC 451	Facilities and Equipment	3	0
	REC 452	Recreation Administration	0	3
	REC 470	Supervised Practice	0	6
	REC 471	Organizing The Recreation Program	0	2
	REC 472	Observation and Field Experience	0	2
	SOC 302	Public Relations and Modern Society	3	0
	SOC 501	Leadership	3	0
		Electives	3	3
			<hr/> 19	<hr/> 16

EDUCATION

OPTION IN RURAL RECREATION — — — — —

			Credits	
2	EC 201, 202	General Economics	3	3
	ENG 231	Basic Speaking Skills	3	0
	ENG 215	Principles of News and Article Writing	0	3
	REC 201	Playground Leadership	2	0
	REC 251	Social Recreation I	3	0
	REC 252	Social Recreation II	0	3
	REC 253	Principles of Physical Education	3	0
	SOC 301	Human Behavior	0	3
	ZO 212	Human Anatomy	3	0
	ZO 213	Human Physiology	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222*	Air Science II	2	2
	PE 201, 202	Physical Education*	1	1
			<hr/> 20	<hr/> 18
3	ED 308	Visual Aids	2	0
	IA 314	Recreational Arts and Crafts	0	2
	MA 122	Mathematics of Finance		
	or	or		
	EC 312	Accounting for Engineers	0	4
	PS 202	County and Municipal Government	0	3
	PSY 304	Educational Psychology	3	0
	PSY 476	Psychology of Adolescence	0	2
	REC 333	First Aid and Safety	2	0
	REC 351	Individual Sports in Recreation	3	0
	REC 352	Team Sports in Recreation	0	3
	REC 353	Camp Organization and Leadership	0	3
	REC 354	Personal and Community Hygiene	3	0
	ZO 312	Principles of Game Management	3	0
		Electives	3	4
			<hr/> 19	<hr/> 21
4	ED 420	Principles of Guidance	2	0
	REC 301	Organization and Administration of Physical Education	2	0
	REC 315	Prevention and Care of Athletic Injuries	2	0
	REC 325	Activities for the Handicapped Individual	2	0
	REC 451	Facilities and Equipment	3	0
	REC 452	Recreation Administration	0	3
	REC 470	Supervised Practice	0	6
	REC 471	Organizing the Recreation Program	0	2
	REC 472	Observation and Field Experience	0	2
	SOC 411	Community Relationships	3	0
		Electives	5	3
			<hr/> 19	<hr/> 16

— — — — — OPTION IN INSTITUTIONAL RECREATION

			Credits	
2	EC 201, 202	General Economics	3	3
	ENG 231	Basic Speaking Skills	3	0
	ENG 215	Principles of News and Article Writing	0	3
	REC 201	Playground Leadership	2	0
	REC 251	Social Recreation I	3	0
	REC 252	Social Recreation II	0	3
	REC 253	Principles of Physical Education	3	0
	SOC 301	Human Behavior	0	3
	ZO 212	Human Anatomy	3	0
	ZO 213	Human Physiology	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222*	Air Science II	2	2
	PE 201, 202	Physical Education*	1	1
			<hr/> 20	<hr/> 18

3	ED 308	Visual Aids	2	0
	IA 314	Recreational Arts and Crafts	0	2
	MA 122	Mathematics of Finance		
	or	or		
	EC 312	Accounting for Engineers	0	4
	PSY 200	Introduction to Psychology	3	0
	PSY 302	Psychology of Personality and Adjustment	0	3
	REC 333	First Aid and Safety	2	0
	REC 351	Individual Sports in Recreation	3	0
	REC 352	Team Sports in Recreation	0	3
	REC 353	Camp Organization and Leadership	0	3
	REC 354	Personal and Community Hygiene	3	0
	SOC 302	Public Relations and Modern Society	0	3
	SOC 304	Contemporary Family Life	3	0
		Electives	3	3
			<hr/> 19	<hr/> 21

4	PSY 530	Abnormal Psychology	3	0
	REC 301	Organization and Administration of Physical Education	2	0
	REC 325	Activities for the Handicapped Individual	2	0
	REC 451	Facilities and Equipment	3	0
	REC 452	Recreation Administration	0	3
	REC 470	Supervised Practice	0	6
	REC 471	Organizing the Recreation Program	0	2
	REC 472	Observation and Field Experience	0	2
	SOC 306	Delinquency and Crime	3	0
	SOC 412	Introduction to Social Work	3	0
		Electives	3	3
			<hr/> 19	<hr/> 16

EDUCATION

OPTION IN PARK ADMINISTRATION — — — — —

			Credits	
2	BO 101, 102	General Botany	3	3
	EC 201, 202	General Economics	3	3
	ENG 231, 215	Basic Speaking Skills;		
		Principles of News and Article Writing	3	3
	PS 202	County and Municipal Government	0	3
	PSY 200	Introduction to Psychology	0	3
	REC 207	History and Principles of Park		
		Administration	2	0
	REC 251	Social Recreation I	3	0
	REC 333	First Aid and Safety	2	0
	ZO 252	Ornithology	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222*	Air Science II	2	2
	PE 201, 202	Physical Education*	1	1
			<hr/> 19	<hr/> 21
3	AGE 201, 202	Farm Shop Wood Work;		
		Farm Shop Metal Work	2	2
	BO 211, 203	Dendrology; Introduction to		
		Systematic Botany	2	3
	MA 122	Mathematics of Finance		
	or	or		
	EC 312	Accounting for Engineers	0	4
	MIG 120	Physical Geology	0	3
	LA 300	Appreciation of Park Design	3	0
	PSY 302	Psychology of Personality and Adjustment	3	0
	REC 351	Individual Sports in Recreation	3	0
	REC 352	Team Sports in Recreation	0	3
	ZO 321	Wildlife and Natural Resource Conservation	0	3
		Electives	3	3
			<hr/> 16	<hr/> 21
4	AGE 341	Farm Electrification and Utilities	3	0
	BO 441	Plant Ecology	3	0
	EC 426	Personnel Management	0	3
	REC 353	Camp Organization and Leadership	3	0
	REC 354	Personal and Community Hygiene	3	0
	REC 411, 412	Park Maintenance and Operation	2	2
	REC 451	Facilities and Equipment	0	3
	REC 452	Recreation Administration	3	0
	REC 471	Organizing the Recreation Program	0	2
	ZO 522	Animal Ecology	0	3
		Electives	3	3
			<hr/> 20	<hr/> 16

* Students excused from Military or Air Science and/or Physical Education will schedule equivalent credits in courses from the following departments: Economics, English, History and Political Science, Modern Languages, Philosophy and Religion, Psychology, Rural Sociology, Social Studies, and Sociology
Field Work: Evidence of at least four months of satisfactory employment in the practice of his profession is required from each candidate for graduation. Such work may include six week's work in connection with the ROTC summer training program.

— — — — — MATHEMATICS AND SCIENCE EDUCATION — — — — —

— — — — — OBJECTIVES — — — — —

The Department of Mathematics and Science Education offers curricula for those students who wish to become teachers of Mathematics or Science. Each curriculum provides for a well rounded professional preparation. There is sufficient flexibility in each curriculum to enable the student to meet certification requirements in both subject matter areas by proper selection of elective courses. This flexibility also enables the student to specialize in one subject matter area thus opening up job opportunities in related fields requiring a substantial background in Mathematics and Science such as, research teams in industry, government research projects involving rockets, guided missiles, computers or pure research.

— — — — — OPPORTUNITIES — — — — —

The acute shortage of Mathematics and Science teachers in the secondary schools provides excellent employment opportunities for more graduates in this department. Attractive job opportunities are also available for industrial employment. The rapid technological and scientific developments during the past few years has accentuated the importance of mathematics and science. Future developments will depend upon the accomplishments of persons who have received adequate training in these areas.

— — — — — CURRICULUM IN MATHEMATICS EDUCATION — — — — —

A minimum of 144 credits required for graduation

			Credits	
1	CH 101	General Inorganic Chemistry	4	0
	CH 103	General and Qualitative Chemistry	0	4
	ENG 111, 112	Composition	3	3
	HI 252	The United States since 1865	3	0
	MA 101, 102	First Year Mathematics for Engineers	5	4
	PS 201	The American Governmental System	0	3
	MS 101, 102	Military Science I		
	or	or		
	AS 121, 122	Air Science	2	2
	PE 101, 102	Physical Education	1	1
			18	17
2	ED 203	Introduction to Teaching	2	0
	IA 203	Industrial Arts Drawing	3	0
	MA 201, 202	Calculus I, II	4	4
	PY 211, 212	General Physics	4	4
	SOC 202	Man and Society	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		Electives*	3	5
			19	19

EDUCATION

			Credits	
3	CE 201	Surveying or		
	PY 223	Astronomy	0	3
	EC 201, 202	Economics	3	3
	ED 308	Visual Aids	0	2
	ED 344	Secondary Education	0	2
	MA 122	Mathematics of Finance	4	0
	PSY 304	Educational Psychology	3	0
		English Electives*	3	3
		Electives*	5	6
			<hr/>	<hr/>
			18	19
4	ED 420	Principles of Guidance	0	2
	ED 470	Methods of Teaching Mathematics	3	0
	ED 471	Student Teaching in Mathematics**	10	0
	MA 533	History of Mathematics	0	3
	PSY 476	Psychology of Adolescence	2	0
		Electives*	3	11
			<hr/>	<hr/>
			18	16

* A minimum of 6 semester hour electives in mathematics and 4 semester hours in mathematics and science. All electives must be selected with approval of adviser.

** During the fall semester of the Senior year 12 weeks will be devoted to full-time off-campus work at an approved Student Teaching Center and approximately 6 weeks to concentrated courses.

CURRICULUM IN SCIENCE EDUCATION

A minimum of 144 credits required for graduation

1	BO 101, 102	General Botany	3	3
	ENG 111, 112	Composition	3	3
	HI 252	The United States since 1865	3	0
	MA 111	Algebra and Trigonometry	4	0
	MA 112	Analytic Geometry and Calculus A	0	4
	MIG 120	Mineral Industries Geology	0	3
	MS 101, 102	Military Science I		
	or	or		
	AS 121, 122	Air Science I	2	2
	PE 101, 102	Physical Education	1	1
			<hr/>	<hr/>
			16	16
2	CH 101	General Inorganic Chemistry	4	0
	CH 103	General and Qualitative Chemistry	0	4
	ED 203	Introduction to Teaching	2	0
	FS 201	The American Governmental System	3	0
	SOC 202	Man and Society	0	3
	ZO 101, 102	General Zoology	3	3
	ZO 213	Human Physiology	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		Electives*	4	3
			<hr/>	<hr/>
			19	19

			Credits	
3	CH 203	General and Organic Chemistry	4	0
	EC 201, 202	Economics	3	3
	ED 308	Visual Aids	0	2
	ED 344	Secondary Education	2	0
	ENT 312	Economic Entomology	0	3
	PSY 304	Educational Psychology	0	3
	PY 211, 212	General Physics	4	4
			Electives*	3
				4
			19	19
4	BO 412	General Bacteriology	0	4
	ED 420	Principles of Guidance	0	2
	ED 475	Methods of Teaching Science	3	0
	ED 476	Student Teaching in Science**	10	0
	PSY 476	Psychology of Adolescence	2	0
		English Elective	0	3
		Electives *	3	9
			18	18

* All electives to be selected with approval of adviser.

** During the fall term of the Senior year, 12 weeks will be devoted to full-time off-campus work at an approved Student Teaching Center and approximately 6 weeks to concentrated courses on the campus.

— — — OCCUPATIONAL INFORMATION AND GUIDANCE

Professor ROY N. ANDERSON, Head of the Department

Assistant Professor ELIAS L. TOLBERT

— — — — — OBJECTIVES

Special facilities are provided in the School of Education for mature students and individuals who have had teaching or personnel experience and who hold a Bachelor's degree to enroll for courses leading to a Master's degree in Occupational Information and Guidance, or a Master of Science degree. The offerings of the Department of Occupational Information and Guidance permit graduate students in subject-matter fields to select appropriate courses which will enable them to provide guidance and counseling for their students as well as exert influence in promoting a school-wide guidance program.

A special program in rehabilitation counseling has been made possible by a Grant from the Office of Vocational Rehabilitation of the Department of Health, Education, and Welfare.

In addition to the graduate program, the Department provides instruction in guidance for undergraduate students in the School of Education.

— — — — — OPPORTUNITIES

Graduate work in Occupational Information and Guidance gives preparation for such positions as counselor in secondary schools, colleges, or community agencies; school guidance directors; employment counselor; placement worker; business or industrial personnel worker; and for personnel work in the State or Federal Government. Administrators, supervisors, directors of instruction, and others who wish to prepare themselves for positions of leadership in guidance work may also profit from this program.

EDUCATION

The Federal-State Rehabilitation program is expanding and there is a definite demand for rehabilitation counselors today. This demand is expected to increase in the near future.

GRADUATE STUDY — — — — —

The Master's program includes a core of Guidance courses as follows: Ed. 524, Occupational Information; Ed. 631, Education and Vocational Guidance; Ed. 633, Techniques in Guidance and Personnel; Ed. 641, Field Work; and Ed. 651, Research. Opportunity for field work is available in secondary schools, colleges, clinics, employment offices, and other agencies, according to the student's interest. Special courses are provided for rehabilitation counselors. Courses in Psychology, Sociology, Economics, and Education are selected to round out the program. For those interested in public school guidance work, the program also meets the requirements for the Counselors Certificate issued by the State Department of Public Instruction, as well as similar certificates in many other states.

PSYCHOLOGY — — — — —

HOWARD G. MILLER, *Head of the Department*

Professor KEY L. BARKLEY

Visiting Professor WILLIAM MCGEHEE

Associate Professors HAROLD M. CORTER, J. CLYDE JOHNSON

Assistant Professors CHARLES R. KELLEY, MICHAEL CAFFEY, PAUL J. RUST

Part-time Instructor MARJORIE DAVIDSON

Understanding himself, his neighbor, his co-worker, and members of his family has become a requirement of modern education for man. The emphasis upon the study of man is becoming stronger year by year as we gain further understanding of the importance of human factors in the successful placement of workers, in the maintenance of morale, in promoting safety in industry, in achieving efficiency in school work, and in making a healthy, happy and effective adjustment to the everyday world.

OBJECTIVES — — — — —

In general, the courses in Psychology are designed to promote a broad understanding of man in relation to his environment or to cultivate the skills which may be useful in dealing with human beings in social, educational, industrial, or other practical situations.

The Department of Psychology, because of its intimate connection with teacher education programs, is located in the School of Education. The Department, however, offers courses of interest to students in all the professional schools.

The primary objectives of the Department are: to provide students with a broad and general understanding of human development, behavior and adjustment; to provide students in the various technical departments with the specialized instruction which will be of practical value to them; to give instruction in the areas of child development, motivation, learning, social development and efficiency of study to students who are preparing to be teachers; to provide comprehensive training in industrial psychology and allied areas to students at the graduate level.

The Department has certain facilities and arrangements for conducting its work which aid in the achievement of the stated objectives.

In order to provide psychological services to industry, the Department recently established a Bureau which is equipped to conduct personnel evaluations, employee counseling, personnel training, aptitude testing, attitude surveys, personnel research, and other psychological services.

In addition to the regular College budget, the Department has a psychology research budget which incorporates contract research studies sponsored by industrial firms, private organizations, and government agencies.

An applied Experimental Psychology Laboratory has been established in the Department. Emphasis is placed upon the design of experiments to study practical human problems. The design of machines to fit the human operator and the planning of work tasks in accordance with human capacities and limitations are major areas of concern in the Laboratory.

OPPORTUNITIES

The Department does not offer an undergraduate degree in psychology, but a student may elect courses to the extent time is allowed by his regular curriculum. The Department does give a Master of Science Degree in Industrial Psychology.

Upon completion of the Master's Degree in Industrial Psychology, a student may find employment in business or industry as a member of the personnel department, or become the officer in charge of training or safety. Some students find opportunities to become members of a research team in government or private agencies. Opportunities are available also in teaching and research activities in colleges and universities.

GRADUATE STUDY

The emphasis in graduate study in the Department is upon Industrial Psychology. A required basic set of courses is provided for all students who wish to work toward a Master's Degree in Industrial Psychology. Supporting courses are offered in sufficient number for students to have some latitude in their emphasis on minor lines of study. The graduate courses in the Department are also available to graduate students majoring in Agricultural Education, Guidance, Industrial Arts, Industrial Education, Mathematics and Science Education, Textiles, Industrial Engineering, Rural Sociology, and Statistics.

For general regulations regarding graduate study, the Graduate School Catalog should be consulted

SCHOOL OF ENGINEERING

JOHN HAROLD LAMPE, DEAN

W. E. ADAMS, DIRECTOR OF INSTRUCTION

ARTHUR CLAYTON MENIUS, JR., ASSISTANT TO THE DEAN

INTRODUCTORY— — — — —

The impact of science and technology on civilization imposes upon all of us, and upon the engineer in particular, a new sense of responsibility. The scientist cannot guarantee that his contributions will always be used for noble purposes: he cannot answer for the misuse of scientific discoveries by dictators who would enslave the human race. But he can supply the knowledge and tools for building a better world and the defenses for its preservation. To be an engineer thus carries with it the responsibility and the obligation to use all newly discovered knowledge for the benefit of mankind. Discovery leads to discovery; knowledge opens the way to more knowledge, making possible further enlightenment and a new age of plenty.

Engineering studies are of the utmost interest and importance to those young men and women who look to industry, engineering, or research for a career. These ambitions can well be furthered by the School of Engineering through its undergraduate or graduate programs, whereby students are offered technical instruction and leadership guidance by an experienced staff of qualified engineers and educators.

The School of Engineering is organized into ten engineering departments: Chemical, Civil, Electrical, Industrial, Mechanical, Physics, Mathematics, Mineral Industries, Mechanics and Research. Undergraduate degree programs are offered in the first eight named departments, and all the teaching departments offer advanced studies leading to a Professional Degree or to the Master's degree. The Doctor of Philosophy program is offered in the Ceramic, Chemical, Electrical, and Physics Departments.

It is the policy of the School of Engineering to have all its curricula more than meet the standards of the Engineers' Council for Professional Development. It is the ambition of the School that its curricula and programs meet the needs of the people and industries of the state and region through effective instruction, competent research and development, and worthwhile scientific contributions to engineering knowledge.

CURRICULA — — — — —

The curricula representing the study program in all of the departments are so arranged that the freshman year is common to all. They contain broadening courses in the humanities while emphasizing the basic and fundamental engineering principles so essential to an engineering college program. Graduates of this program will not only be prepared for engineering responsibilities and positions of trust in industry, but will also have an appreciation and consciousness of human problems in community and industrial life. Though an entering student is asked to designate a field of interest, he can with ease and without any interruption change to some other field of study within the School of Engineering at the end of the freshman year.

FOUR-YEAR BACHELOR'S CURRICULA AND PROFESSIONAL (FIFTH YEAR) STUDY

The four-year program provides education and training to meet the needs of from eighty to eighty-five per cent of the young men of North Carolina who will take their places in industry and industrial life in the fields of production, sales, application, planning, and the operation of small industrial units.

The fifth-year specialized training leads to a professional degree (CE, CHE, ME, EE, etc.) in ceramic, chemical, civil, electrical, geological, industrial, and mechanical engineering. The courses of study are especially designed to meet the needs of students desiring intensive specialization in a particular field or additional course work not ordinarily covered in the normal four-year undergraduate curricula.

GRADUATE STUDY

The graduate activities are patterned to provide advanced training and experience to young men who have successfully completed a four-year program and who have an interest and ability to continue their education. This elective program will train graduates for positions and activities in teaching, technical design, and research. The Engineering School offers two programs of graduate study. The first represents a year of full-time study and thesis work and leads to a degree of Master of Science in some field of engineering. The second program leads to a Doctor's degree in some field of engineering and usually requires three years of full-time study, thesis work, and experimental activity.

RESEARCH

Research activities in the School of Engineering are based on a program correlated with graduate study in engineering. It is the purpose of this program not only to train future research workers, but also to carry out a program that assures both sound investigations of a fundamental nature in engineering sciences and work devoted to greater uses of the State's natural resources. Through publication, cooperative activity with industry and the operation of our own investigational projects, it is intended that the engineering research activities will be a part of and work effectively with the industrial development of North Carolina.

DEGREES

BACHELOR OF ENGINEERING

The four-year curricula offer programs of study leading to a Bachelor's degree in Agricultural, Ceramic, Chemical, Civil, Engineering Mathematics and Engineering Physics, Geological, Industrial, Mechanical, and Nuclear Engineering. Aeronautical Engineering is an option in Mechanical Engineering, and Construction Engineering is an option in Civil Engineering. Graduation requirements are the satisfactory completion of all the required courses in any one curriculum and other courses which amount to a minimum of 150 semester credit hours. A minimum scholastic record of a C average is also required. A minimum of six weeks' summer employment is required in all curricula.

BACHELOR OF SCIENCE IN A SPECIALIZED BRANCH OF ENGINEERING

This is an earned undergraduate degree and is available through programs of study in Furniture Manufacture and Management and in Heating and Air Conditioning. The course is planned for four years of study. Graduation requirements are the satisfactory completion of all the

ENGINEERING

required courses in any one curriculum and other courses which amount to a minimum total of 150 semester credit hours. A minimum scholastic record of C average is also required. Other requirements are the satisfactory completion of a week's inspection trip in the senior year and a minimum of six weeks' summer employment.

PROFESSIONAL DEGREE IN A SPECIALIZED BRANCH OF ENGINEERING

This is an earned degree which can be obtained only after the Bachelor's degree. The fifth-year curricula are especially designed to meet the needs of students desiring intensive specialization in a particular field or additional course work not ordinarily covered in the normal four-year undergraduate curricula. This professional program of study is offered in Ceramic, Chemical, Civil, Electrical, Geological, Industrial and Mechanical Engineering. Regulations covering this degree are shown on pages 128-129.

For further information concerning the requirements for the professional degree, applications for admission, etc., address Dr. J. H. Lampe, Dean of Engineering, North Carolina State College, Raleigh, North Carolina.

MASTER OF SCIENCE (M.S.) IN A SPECIALIZED BRANCH OF ENGINEERING

This is an earned graduate degree which can be obtained only after the Bachelor's degree. It requires at least one year of graduate work, a reading knowledge of at least one foreign language, and a thesis showing ability to pursue independent research. The core of graduate courses taken must emphasize a scientific objective. Further information concerning the requirements for this degree may be obtained by addressing Dr. D. B. Anderson, Director of Graduate Studies, State College, Raleigh, North Carolina.

DOCTOR OF PHILOSOPHY DEGREE (Ph.D.)

This is an earned graduate degree offered in Ceramic, Chemical, Electrical, and Nuclear Engineering, and Engineering Physics. Admission requirements are the same as for the master's degree. It requires at least two years of graduate work with a major in Ceramic, Chemical, or Electrical Engineering and a minor either in some field of engineering or in an allied science. The dissertation will also deal with some problem in the field of the student's major interest. Inquiries about this program should be addressed to Dr. D. B. Anderson, Director of Graduate Studies, State College, Raleigh, North Carolina.

THE HONORARY DEGREE OF DOCTOR OF ENGINEERING (D.Eng.)

This degree is purely an honorary degree conferred upon men of extraordinarily high professional engineering attainments who are graduates of one of the branches of the University of North Carolina, or upon professional engineers who have rendered distinguished services to the State of North Carolina.

NON-SCHOLASTIC REQUIREMENTS — — — — —

SUMMER WORK: INDUSTRIAL EMPLOYMENT

A minimum of six continuous weeks of gainful employment is a specific requirement for graduation in Engineering. This employment may be as laborer, sub-professional, or professional assistant in any of the following fields: (1) industrial manufacture, repair service, or sales; (2) industrial engineering or scientific research; (3) engineering or architectural design, and drafting; (4) engineering exploration, surveying, or reconnaissance; (5) construction of buildings, roads, railroads, dams, and other engineering works.

Students are required to consult with their department heads as to the type of work that will be acceptable before making arrangements for industrial employment. It is desirable that this employment be in the student's scholastic major. The required industrial employment should be completed during the summer vacation period, which may be the one between the sophomore and junior years or the one between the junior and senior years, preferably the latter. Students enrolled for advanced military training should complete the industrial employment requirement between the sophomore and junior years to avoid conflict with ROTC Summer Camp.

The student is responsible for obtaining his employment and supplying satisfactory evidence thereof to the head of his department. This evidence will consist of a letter from the employer to the head of the student's department setting forth (1) inclusive dates of employment; (2) character of work performed; (3) type of operation of firm or individual; (4) an evaluation of the student's work. This letter must be submitted to the department head not later than the end of the Fall semester of the year in which the student intends to graduate.

— — — — — SHORT COURSES AND INSTITUTES

The School of Engineering cooperates with the College Extension Division in offering short courses and institutes both on the campus and at various centers throughout the State for adults and graduate engineers. Such courses vary in length from one day to twelve weeks; each year the courses offered are different and vary according to the public demand. The faculty of the School of Engineering usually furnish a large portion of the instruction offered in these courses, which in the past have been for Electrical Metermen, Gas Plant Operators, Safety Engineers, Radio Engineers, Refrigeration and Air Conditioning Engineers, Waterworks Operators, Heating and Plumbing Contractors, and Surveyors. Classes are usually held in Raleigh where the School of Engineering has an excellent staff and adequate laboratories and classroom facilities available.

These short courses offer real opportunity to practicing engineering personnel to follow a refresher program in their field of interest, as well as to become acquainted with the latest and most modern engineering procedures and equipment.

Another educational services activity is that being carried out at the Gaston Technical Institute, Gastonia, North Carolina, where a one-year post-high school terminal technician program is sponsored by the School of Engineering and operated by the Extension Division of the College. A separate full-time staff is employed for this educational program which provides an integrated curriculum in English, mathematics, engineering drawing, machine shop, welding, electrical maintenance, and economics. Graduates of this program are trained for industry with the opportunity for rapid acceleration towards positions of foremen, maintenance supervisors, etc.

— — — — — CURRICULA OFFERED IN THE SCHOOL OF ENGINEERING

Each of the following curricula is not only well-balanced, but offers a liberal course of study in a technical and professional field. Each conforms to what is regarded by engineering educators as the best modern practice.

FOR ALL ENGINEERING CURRICULA

			Credits	
1	CH 101, 103	General Inorganic Chemistry and Qualitative Analysis	4	4
	ENG 111, 112	Composition	3	3
	E 100	Introduction to Engineering	1	0

ENGINEERING

HI 205	The Modern Western World	0	3
MA 101, 102	First Year Mathematics for Engineers	5	4
ME 101, 102	Engineering Graphics	2	2
MS 101, 102	Military Science or		
or			
AS 121, 122	Air Science	2	2
PE 101, 102	Physical Education*	1	1
		<hr/> 18	<hr/> 19

* Students excused from Military Science or Air Science and/or Physical Education will schedule equivalent credits in courses outside their department.
The sophomore, junior and senior programs of study in the various fields of Engineering are shown under the department headings on the pages that follow.

HUMANITIES—SOCIAL STUDIES PROGRAM FOR ENGINEERING STUDENTS

A specially designed sequence of courses comprising twenty-one (21) credit hours is required of all engineering students and is incorporated in each curriculum. Its primary objective is to broaden the student in the humanities and social sciences and to instill good habits in the use of the English language. Following a broad yet basic consideration of history, economics and literature, the student progresses to an advanced and integrated study of contemporary civilization and of contemporary problems. The work of the last semester may be chosen from a group of approved electives which are built upon and closely related to the subject matter of the previous three years.

FRESHMAN YEAR

		Credits	
HI 205	The Modern World or		
EC 205	The Economic Process	0	3

SOPHOMORE YEAR

HI 205	The Modern World and		
ENG 205*	Reading for Discovery	3	3
	or		
EC 205	The Economic Process and		

JUNIOR YEAR

ENG 205	Reading for Discovery	3	3
SS 301, 302	Contemporary Civilization	3	3

SENIOR YEAR

SS 491	Contemporary Issues I and Approved Elective (see list below)	0	3
--------	---	---	---

SENIOR ELECTIVES FOR HUMANITIES—SOCIAL STUDIES PROGRAM

SS 492	Contemporary Issues II	3
HI 412	Recent United States History	3
ENG 366	The American Mind	3
PS 401	American Parties and Pressure Groups	3
SOC 401	Human Relations in Industrial Society	3
PHI 395	Philosophical Analysis	3
EC 442	Evolution of Economic Ideas	3

* History, Economics, and Literature may be scheduled in any order except that ENG 111, 112, Composition, are prerequisite for ENG 205. Only one course can be scheduled without special permission.

Courses from the approved list of senior electives will not be credited to the humanities sequence unless preceded by all other required humanities courses.

AGRICULTURAL ENGINEERING

A curriculum for work leading to the Bachelor's degree in Agricultural Engineering is the joint responsibility of the School of Agriculture and the School of Engineering. Each of the schools gives approximately one-half the course work.

For further details concerning the field, see page 42.

CHEMICAL ENGINEERING

Professor E. M. SCHOENBORN, Head of the Department

Professors K. O. BEATTY, JR., F. P. PIKE

Associate Professors R. BRIGHT, J. F. SEELY

Assistant Professors J. K. FERRELL, R. A. MCALLISTER

Instructors C. A. PLANK, R. ROZETT

OBJECTIVES

Chemical Engineering is concerned with the development and application of manufacturing and allied processes in which chemical or certain physical changes of material are involved. It involves the application of mathematics, chemistry, physics, and fundamental engineering principles to the design, construction, operation, control, and improvement of equipment for carrying out chemical processes on an industrial scale at the lowest possible cost. Most of the so-called process industries—the production of chemicals, plastics, rubber, paints, synthetic fibers, petroleum, paper, explosives, drugs, food, soap, magnesium, aluminum, glass, cement, and numerous others—are inherently chemical engineering in nature. To prepare men for careers in industries of these kinds is the purpose of the course in Chemical Engineering.

CURRICULUM

The work of the chemical engineer is so extensive and diversified in scope that his training must be along broad and basic lines rather than in any one field of specialization. Furthermore, the spirit of research and experimentation is vital to the chemical industry so that the development not only of a sound technical background but also of a capacity for original thought and independent accomplishment is an essential part of his program. The undergraduate curriculum emphasizes the engineering, the chemical, and the economic principles involved in chemical processes and operations. The work in chemistry including inorganic, analytical, physical, and organic chemistry is comparable to that usually given to chemists in the first three years with the exception of a reduction of time devoted to laboratory work. The subjects in mechanical and electrical engineering, in mechanics and metallurgy are designed to supply the fundamentals of these branches. The work in the Chemical Engineering subjects, although distinctly professional in application, is nevertheless basic in character. Since it depends upon a thorough background in the sciences, it is postponed until the third and fourth years. It is designed to develop initiative, sound habits of thought, and intellectual curiosity in the student.

FACILITIES

The Chemical Engineering Laboratories are provided with pilot plant-type equipment for studying the principles of fluid flow, heat transfer, distillation, absorption, drying, crushing and grinding, filtration, agitation, etc. Much new equipment has been installed, and new and special

ENGINEERING

apparatus is added from time to time to keep the facilities abreast of recent developments in the field. Special equipment for research and instructional purposes is designed and built in the departmental laboratories. In this way students are given first hand acquaintance with problems relating to the actual design, construction, and operation of typical equipment used in industry.

OPPORTUNITIES — — — — —

Opportunities for employment in the chemical and allied industries upon graduation are numerous and varied. Graduates find employment in such fields as: research and development; production, operation, and maintenance; management and administration; inspection, testing, and process control; technical service and sales; estimation and specification writing; consulting and teaching, and many others. Students desiring to pursue careers in research and development or in teaching and consulting work are strongly advised to consider graduate training. In fact, the need for persons who have had advanced training in the field beyond the regular four-year program is continually increasing.

CURRICULUM IN CHEMICAL ENGINEERING — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	CH 215	Quantative Analysis	4	0
	CHE 205	Chemical Process Principles I	0	4
	EC 205	The Economic Process	0	3
	ENG 205	Reading for Discovery	3	0
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			<hr/> 19	<hr/> 19
3	CH 425, 426	Organic Chemistry	3	3
	CH 531, 532	Physical Chemistry	3	3
	CHE 311	Chemical Process Principles II	4	0
	CHE 411	Unit Operations I	0	3
	EM 341, 342	Engineering Mechanics A, B	2	2
	EM 343	Strength of Materials A	0	2
	SS 301, 302	Contemporary Civilization	3	3
		Electives	3	3
			<hr/> 18	<hr/> 19
4	CHE 412	Unit Operations II	4	0
	CHE 415	Chemical Engineering Thermodynamics	4	0
	CHE 431, 432	Unit Operations Lab I, II	3	3
	CHE 460	Seminar	1	0
	CHE 470	Chemical Engineering Projects	2	0
	CHE 527	Chemical Process Engineering	0	3
	EE 320	Elements of Electrical Engineering	0	4
	MIM 321	Metallurgy	0	3
	SS 491	Contemporary Issues I and		
		Electives in Humanities	3	3
		Electives	3	3
			<hr/> 20	<hr/> 19

— — — PROFESSIONAL CURRICULUM IN CHEMICAL ENGINEERING

Typical Program

		Credits	
CH 401	Special Topics in Inorganic Chemistry	3	0
CHE 525	Process Measurements and Control	0	3
CHE 546	Chemical Reaction Rates	0	3
CHE 570	Chemical Engineering Projects	2	2
CHE 610, 613	Heat Transfer I, Distillation	3	3
CHE 660	Chemical Engineering Seminar	1	1
PY 407	Introduction to Modern Physics	3	0
	Electives	3	3
		<hr/> 15	<hr/> 15

— — — — — GRADUATE STUDY IN CHEMICAL ENGINEERING

Regulations Governing the Professional Program are Shown on Pages 132-133.

Graduate work is offered in Chemical Engineering leading to the degrees of Master of Science and Doctor of Philosophy in Chemical Engineering. Superior students who can do so are strongly encouraged to spend one or more years in advanced study and research since the demand of the chemical industry for persons with training beyond the baccalaureate is continually increasing.

The Chemical Engineering staff and research facilities provide unusual opportunities for basic and applied work in such important fields as fluid flow, heat transfer, distillation, diffusional operations, plastic technology, etc. Of current interest are special programs in thermal properties of materials at both high and low temperatures, in process measurement and control, and in the use of radioactive tracers in chemical engineering research.

For general regulations, the Graduate School Catalog should be consulted.

— — — — — CIVIL ENGINEERING

Professor R. E. FADUM, Head of the Department

Professor Emeritus C. L. MANN

Professors W. F. BABCOCK, C. R. BRAMER, CARROLL L. MANN, JR.

Associate Professors C. R. MCCULLOUGH, N. L. NEMEROW, C. SMALLWOOD, M. E. UYANIK

Assistant Professors A. G. FARKAS, C. M. LAMBE

Instructors M. R. DAMRON, JR., C. P. FISHER, JR., C. H. KAHN, L. F. SPAINE, H. B. WYNDHAM, JR.

Teaching Assistants L. S. AGNEW, JR., J. C. SMITH

Research Assistants J. C. COSS, E. J. SALMON, E. J. STRUZESKI, JR.

— — — — — CURRICULA

The Department of Civil Engineering offers two four-year undergraduate curricula: the one, leading to the degree of Bachelor of Civil Engineering; the other, to the degree Bachelor of Civil Engineering Construction Option. A fifth-year professional program leading to the degree Civil Engineer and a graduate program leading to the degree Master of Science in Civil Engineering are also offered by the Department.

ENGINEERING

The Civil Engineering curriculum has been accredited by the Engineers' Council for Professional Development. It is a well-balanced program of study providing academic discipline in the fundamental physical sciences, the humanities and social sciences and in the professional fields of civil engineering including structural, transportation, and sanitary engineering.

FACILITIES

The Department of Civil Engineering is located in the Civil Engineering Building. This building provides offices, drafting rooms, and classrooms as well as laboratory facilities for testing structural materials, soils, and bituminous products; for hydraulic experiments; for studies in airphoto interpretation and photogrammetry; for analysis of structural models; for chemical and biological tests pertaining to sanitary engineers; and for the investigation of transportation problems. In addition, the facilities of the Civil Engineering Building include a comfortable student study room, an auditorium, and a departmental library. All of these facilities have been designed to provide for effective teaching and laboratory instruction and to create a scholarly environment.

OPPORTUNITIES

Civil Engineering is one of the broadest of the various fields of engineering. It deals with the planning, design, and construction of buildings, bridges, dams, harbor works, water works, water power facilities, sewage disposal works, and transportation facilities including highways, railways, waterways, airports, and pipe lines. The civil engineer's services are in demand by public agencies as well as by private enterprise. The activities of the civil engineer are such that opportunities are available for office-type as well as field-type employment and for employment in small communities as well as in large industrial centers. The breadth in scope of civil engineering and the variety of types of employment open to the civil engineer are such that a student who does not have a strong predilection for some special branch of engineering may be safely advised to study civil engineering.

CURRICULUM IN CIVIL ENGINEERING

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	CE 201, 202	Surveying I, II	3	3
	EM 311	Engineering Mechanics I	0	3
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
		Humanities	3	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			18	21
3	CE 305, 306	Transportation Engineering I, II	3	3
	CE 321, 322	Materials Testing Laboratory I, II	2	2
	CE 324	Analysis of Structures I	0	3
	CE 344	Soil Mechanics	0	3
	CE 382	Hydraulics	0	3
	EM 312	Engineering Mechanics II	3	0
	EM 321	Strength of Materials I	3	0
	MIG 120	Physical Geology	3	0
	SS 301, 302	Contemporary Civilization	3	3
		Air or Military Science or		
		Electives	3	3
			20	20

			Credits	
4	CE 425	Analysis of Structures II	3	0
	CE 427, 428	Structural Design I, II	4	3
	CE 481	Hydrology and Drainage	2	0
	CE 482	Water and Sewage Works	0	3
	CE 492, 493	Professional Practice I, II	1	1
	EE 320	Elements of Electrical Engineering	0	4
	ME 301	Engineering Thermodynamics I	3	0
	SS 491	Contemporary Issues I and		
		Elective in Humanities	3	3
		Air or Military Science or		
		Electives	3	3
			<hr/> 19	<hr/> 17

— — — — — CONSTRUCTION OPTION

Professor CARROLL L. MANN, JR., In Charge

The curriculum in Civil Engineering Construction Option is designed to suit the needs of students who are especially interested in the construction phases of civil engineering. It includes the core course requirements in the physical sciences and the social sciences and humanities as established for all engineering curricula offered at North Carolina State College. It differs from the Civil Engineering curriculum in that special emphasis is given to the construction aspects of civil engineering. To this end the curriculum includes a four-semester sequence of courses in estimates and costs and construction planning and organization. The courses unique to this curriculum are designed to provide academic discipline in the engineering, planning, and management aspects of construction.

— — — — — CURRICULUM IN THE CONSTRUCTION OPTION

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	CE 211, 212	Construction Surveying I, II	3	3
	EM 341	Engineering Mechanics A	0	2
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
		Humanities	3	3
	MS 201, 202	Military Science		
	or	or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			<hr/> 18	<hr/> 20
3	CE 321, 322	Materials Testing Laboratory I, II	2	2
	CE 334	Elements of Structural Analysis	0	3
	CE 361, 362	Estimates and Costs I, II	3	3
	EC 312	Accounting for Engineers	0	3
	EE 320	Elements of Electrical Engineering	4	0
	EM 342	Engineering Mechanics B	2	0
	EM 343	Strength of Materials A	2	0
	ME 301	Engineering Thermodynamics I	0	3
	SS 301, 302	Contemporary Civilization	3	3
		Air or Military Science or		
		Electives	3	3
			<hr/> 19	<hr/> 20

ENGINEERING

			Credits	
4	CE 433, 434	Elements of Structural Design I, II	3	3
	CE 443	Foundations	0	3
	CE 461, 462	Project Planning and Control I, II	3	3
	CE 464	Legal Aspects of Contracting	0	3
	CE 485	Elements of Hydraulics and Hydrology	3	0
	CE 492, 493	Professional Practice I, II	1	1
	IE 301	Engineering Economy	2	0
	SS 491	Contemporary Issues I and		
		Elective in Humanities	3	3
		Air or Military Science or		
		Electives	3	3
			<hr/>	<hr/>
			18	19

CONSTRUCTION — — — — —

The Construction curriculum, leading to the degree of Bachelor of Science in Construction, is being replaced by the curriculum leading to the degree of Bachelor of Civil Engineering Construction Option. The Construction curriculum will, however, be continued until those students enrolled on or before September, 1953, have completed the requirements for the degree.

CURRICULUM IN CONSTRUCTION — — — — —

To be terminated June, 1957.

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
3	CE 321, 322	Materials Testing Laboratory I, II	2	2
	CE 334	Elements of Structural Analysis	0	3
	CE 357, 358	Estimates and Costs A, B	3	3
	CE 485	Elements of Hydraulics and Hydrology	0	3
	EC 401, 402	Principles of Accounting	3	3
	EE 341	Industrial Electricity	4	0
	EM 343	Strength of Materials A	2	0
		Humanities	3	3
		Air or Military Science or		
		Electives	3	3
			<hr/>	<hr/>
			20	20
4	CE 325, 328	Elements of Structural Design A, B	3	3
	CE 367, 368	Project Planning and Control A, B	3	3
	CE 443	Foundations	0	3
	CE 464	Legal Aspects of Contracting	0	3
	EC 432	Industrial Relations	2	0
	ENG 231	Basic Speaking Skills	3	0
	IE 301	Engineering Economy	2	0
		Humanities	3	3
		Air or Military Science or		
		Electives	3	3
			<hr/>	<hr/>
			19	18

— — — — — **PROFESSIONAL STUDY IN CIVIL ENGINEERING**

Fifth-year programs of study leading to the professional degree Civil Engineer are offered in the following specialty fields: sanitary engineering, soil mechanics and foundation engineering, structural engineering, and transportation engineering. The fifth-year curricula, which are made up of advanced course work, are offered as a continuation of the four-year undergraduate program and are designed for students who are desirous of becoming technically proficient in one of the specialty fields of civil engineering. The following curricula are illustrative of the fifth-year programs of study. It is to be understood, however, that a curriculum for a given student is designed in consultation with his advisory committee to suit his particular interests.

Regulations Governing the Professional Program are Shown on Pages 132-133.

— — — — — **CURRICULUM IN SANITARY ENGINEERING**

			Credits	
5	CE 571	Theory of Water and Sewage Treatment	3	0
	CE 572	Unit Operations and Processes in Sanitary Engineering	0	3
	CE 573	Analysis of Water and Sewage	3	0
	CE 598	Civil Engineering Projects	2	2
	CE 671	Advanced Water Supply and Sewage	4	0
	CE 672	Advanced Water and Sewage Treatment	0	4
		Electives	3	6
			<hr/>	<hr/>
			15	15

CURRICULUM IN SOIL MECHANICS AND FOUNDATION ENGINEERING

5	CE 507	Airphoto Analysis I	3	0
	CE 524	Analysis and Design of Masonry Structures	0	3
	CE 544	Foundation Engineering	0	3
	CE 548	Soil Testing for Engineering Purposes	0	3
	CE 621	Advanced Structural Analysis I	3	0
	CE 641	Advanced Soil Mechanics	3	0
	CE 643	Hydraulics of Ground Water	0	3
	MA 401	Differential Equations	3	0
		Electives	3	3
			<hr/>	<hr/>
			15	15

— — — — — **CURRICULUM IN STRUCTURAL ENGINEERING**

5	CE 521, 522	Advanced Structural Design I, II	3	3
	CE 544	Foundation Engineering	0	3
	CE 621, 622	Advanced Structural Analysis I, II	3	3
	EM 551	Advanced Strength of Materials	3	0
	EM 602	Theoretical and Applied Elasticity	0	3
	MA 401	Differential Equations	3	0
		Electives	3	3
			<hr/>	<hr/>
			15	15

ENGINEERING

CURRICULUM IN TRANSPORTATION ENGINEERING — — — — —

CE 515	Transportation Analysis	3	0
CE 516	Transportation Planning	0	3
CE 601, 602	Advanced Transportation Engineering I, II	3	3
CE 603, 604	Transportation Engineering Design I, II	3	3
	Electives	6	6
		<hr/>	<hr/>
		15	15

GRADUATE STUDY IN CIVIL ENGINEERING — — — — —

Graduate work is offered in Civil Engineering leading to the degree of Master of Science in Civil Engineering. Facilities are available for research in airphoto interpretation, sanitary engineering, soil mechanics and foundation engineering, structural engineering, and transportation engineering. The Graduate School Catalog should be consulted for the requirements for the Master of Science degree.

ELECTRICAL ENGINEERING — — — — —

Professor G. B. HOADLEY, Head of the Department

Professor Emeritus WILLIAM HAND BROWNE, JR.

*Professors V. S. CARSON, R. S. FOURAKER, W. F. GAUSTER, J. H. LAMPE,
W. D. STEVENSON, JR.*

Visiting Professor J. L. BEAVER

Associate Professors W. J. BARCLAY, K. B. GLENN, E. W. WINKLER

Assistant Professors A. J. GOETZE, E. G. MANNING, R. J. PEARSALL

Instructors H. MOTT, H. D. RANDOLPH

OBJECTIVES — — — — —

The purpose of the undergraduate curriculum is to train young men for active work in a wide and diversified field. The electrical industry demands, above all else, a thorough preparation in the sciences underlying all branches of engineering, a broad foundation in fundamental electrical theory, and a clear understanding of the characteristics of electrical machinery and systems. These factors are essential for success, whether it be in the design and manufacture of electrical equipment, in power production and utilization, or in the fields of communication and electronics, since in all of these branches of the industry technical advances are being made with increasing rapidity.

CURRICULUM — — — — —

With this object in view, the curriculum in Electrical Engineering includes comprehensive training in mathematics and physics—the fundamental sciences—and adequate training in allied branches of engineering. All courses are accompanied by coordinated work in the laboratory and intensive drill in the application of theory by means of carefully planned problems. In the senior year, the student is offered a choice of Power, Communications, or Controls.

The curriculum includes a thorough drill in the preparation and delivery of technical reports.

Each student is required to spend at least six weeks in satisfactory industrial employment before receiving his degree.

— — — — — **FACILITIES**

The Department is housed in Daniels Hall. It maintains the following laboratories: Dynamo, Communications and Electronics, Industrial Electronics and Control, Sophomore, Standards, and Photometry. In addition, there are an instrument room, a shop, and a number of research rooms.

— — — — — **DEPARTMENTAL STUDY ACTIVITIES**

Close coordination with the work of the professional electrical engineering societies is maintained through the AIEE-IRE Joint Student Branch which meets twice a month. Faculty advisers assist the students in bringing to these meetings practicing engineers. The Joint Student Branch also sponsors departmental activities such as picnics for new students and departmental participation in the Engineering Fair.

An active chapter of Eta Kappa Nu, the national honorary Electrical Engineering fraternity, undertakes numerous important projects in addition to holding two initiation banquets yearly.

— — — — — **CURRICULUM IN ELECTRICAL ENGINEERING**

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	EE 201, 202	Elementary Circuits and Fields	4	1
	ENG 205	Reading for Discovery; and		
	EC 205	The Economic Process	3	3
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	MS 201, 202*	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education*	1	1
			<hr/>	<hr/>
			19	19
3	EE 301, 302	Intermediate Circuits and Fields	4	3
	EE 305, 306	Electrical Machinery	4	4
	EE 414	Electron Tubes	0	4
	EM 341, 342	Engineering Mechanics, A, B	2	2
	MA 401	Differential Equations	3	0
	SS 301, 302	Contemporary Civilization	3	3
		Electives**	3	3
			<hr/>	<hr/>
			19	19
4	EE 411, 412	Electrical Engineering Pro-Seminar	1	1
	EE 501, 502	Advanced Circuits and Fields	3	3
	EM 343	Strength of Materials A	2	0
	EM 430	Fluid Mechanics	0	2
	ME 301, 303	Engineering Thermodynamics	3	3
	SS 491	Contemporary Issues I	3	0
		Departmental Electives***	4	4
		Elective in the Humanities or Social Sciences	0	3
		Electives**	3	3
			<hr/>	<hr/>
			19	19

* Students excused from Military or Air Science and/or Physical Education will schedule equivalent credits in courses outside their department.

** The Junior and Senior Electives may be taken in advanced Military Science. If not, they are free electives, subject to the approval of the student's adviser and the Department Head.

*** For these 8 credits, students may choose the sequence EE 511, 512, Electric Communication, or EE 513, 514, Electric Power Engineering, or EE 515 Industrial Electronics and EE 516 Fundamentals of Servomechanisms.

ENGINEERING

PROFESSIONAL STUDY IN ELECTRICAL ENGINEERING — — — —

A fifth, or professional, year of study is offered in Electrical Engineering as a continuation of the four-year undergraduate program. This fifth year of study offers specialized and advanced course work leading to the degree of Electrical Engineer.

Each student taking this fifth year work has his program of courses planned to meet his individual needs. The following curricula are illustrated only, and are printed merely to show the sort of program a professional student might follow.

Regulations Governing the Professional Study are Shown on Pages

CURRICULUM

Typical Programs

		Credits	
5	ELECTRIC POWER		
	EE 605 Electrical Engineering Seminar	1	0
	EE 635, 636 Dielectric Theory and High Voltage Engineering	3	3
	EE 637, 638 Power System Analysis	3	3
	EM 531 Hydraulic Machinery	2	0
	EM 554 Vibration Problems	0	3
	MA 511, 512 Advanced Calculus I, II	3	3
	ME 401, 402 Power Plants I, II	3	3
		<hr/>	<hr/>
		15	15

5	COMMUNICATIONS		
	EE 605 Electrical Engineering Seminar	1	0
	EE 611, 612 Communications Network	4	4
	EE 615 Electromagnetic Waves	4	0
	EE 616 Advanced Radio Engineering	0	4
	MA 511, 512 Advanced Calculus I, II	3	3
	PY 407 Introduction to Modern Physics	3	0
	PY 544 Vibration, Wave Motion, and Acoustics	0	4
		<hr/>	<hr/>
		15	15

GRADUATE STUDY IN ELECTRICAL ENGINEERING — — — —

The graduate degrees offered by the Department of Electrical Engineering are the Master of Science in Electrical Engineering and the Doctor of Philosophy in Electrical Engineering.

At North Carolina State College, the graduate offering in electronics and communications includes courses in Electric Communications, Communication Networks, Advanced Radio Engineering, Radiation and Antennas, and Vacuum Tube Design. These courses are supplemented by experimental work carried on in various special departmental laboratories, such as the high-vacuum laboratory and the microwave laboratory. These special laboratories, together with a number of small laboratories in which graduate students carry on individual research problems, are in the newly constructed Daniels Hall addition.

Graduate students specializing in electric power have the opportunity of taking courses in Electric Transmission, Power Network Calculations, Theory and Design of Electric Machines, Industrial Electronics and Control, High Voltage Engineering, and Power Systems. In this case also

there are special laboratories such as the high-voltage laboratory and the servomechanisms laboratory, in which laboratory instruction related to these courses is given, and there are individual research rooms for thesis work.

For further information concerning graduate study in Electrical Engineering, the current Graduate School Catalog of North Carolina State College should be consulted.

— — — — — ENGINEERING MECHANICS

Professor G. WALLACE SMITH, *Head of the Department*

Professor ADOLPHUS MITCHELL

Associate Professor L. W. LONG

Assistant Professor G. W. MIDDLETON

Instructors MAURICE H. CLAYTON, G. A. EASON

— — — — — UNDERGRADUATE STUDY

The Department of Engineering Mechanics teaches and administers the courses in theoretical and applied mechanics, strength of materials, and fluid mechanics. These courses are fundamental to the professional and design courses of the several Engineering curricula. The student is expected to acquire a basic knowledge of the physical properties of materials and the laws that govern their use in engineering design.

— — — — — GRADUATE STUDY

A student who is interested in investigation and research, and who has the proper prerequisite, may take a course of study offered by this department which leads to the degree of Master of Science in Engineering Mechanics. For general regulations of the Graduate School, the Graduate School Catalog should be consulted.

— — — THE DEPARTMENT OF ENGINEERING RESEARCH

N. W. CONNOR, *Director*

Research Professor of Ceramic Engineering W. C. BELL

Research Associate Professor of Metallurgy H. H. STADELMAIER

Research Associate Professor of Mechanical Engineering PATRICK H. McDONALD, JR.

Research Associate KING R. BROSE, LAWRENCE B. MCGEE, ROBERT A. MCLEAN, FRANCES M. RICHARDSON

Research Assistants DORIS BETHUNE, ROBERT G. GARVIN, HAROLD A. LAMONDS, ARTHUR E. LUCIER, JOSEPH G. LUNDHOLM, JR., JAMES P. SMYLY, JAMES T. TANNER, JR., CHARLES TERRELL, MAYNARD G. THORNE, ELIZABETH M. WHITENER

Research Engineers MASON K. BANKS, ALEX A. CARLYLE, EUGENE E. ERICKSON, E. H. TOMPKINS

Mineral Dressing Engineers W. A. FAUST, W. G. WELLS

Chemist P. N. SALES

Chief Technician WADE E. GRIFFIN

Technicians ALLEN D. FERGUSON, R. F. PENNY

ENGINEERING

OBJECTIVES — — — — —

Research and teaching are the two responsibilities of the true university. The School of Engineering has a clear appreciation of the obligation of education to further man's understanding of the world in which he lives and of the contribution of research to effective teaching. Within the School, research programs are conducted in many fields of engineering; these activities are given strong encouragement and support through the Department of Engineering Research.

As a unit of North Carolina's Land-Grant College, the School of Engineering is obligated to serve the industrial life of the state. Functioning in this capacity, it offers a broad program of service and experimental aid through the Department of Engineering Research. Many industries in the state have brought problems to the School; association with the industrialists of the state is being sought and strengthened constantly. This service is further strengthened through close cooperation with the North Carolina Department of Conservation and Development. Particular encouragement and assistance are granted those investigations that give promise of new industry to North Carolina.

FACILITIES — — — — —

The Department of Engineering Research, established originally in 1923 as the Engineering Experiment Station, maintains laboratories and a full-time staff devoted exclusively to experimental work. Its operations are carried out in close cooperation with the administration and faculties of the teaching departments. The abilities of the various departments of engineering are combined through the Department so that the complete research capacity of the School of Engineering is available for experimental work in any field. The Department also acts as the administrator for the School in negotiations involving research programs done for private industry and for governmental agencies.

The Minerals Research Laboratory in Asheville is engaged in the expansion of North Carolina mineral production through facilities for the development of improved processes of mineral concentration, or examination and appraisal, and chemical analysis.

The Industrial Experimental Program was created by the 1955 General Assembly acting upon a request from the School of Engineering. Its objective is to provide technical assistance to the State's small industry and to promote utilization of its natural resources.

RESEARCH PROGRAMS — — — — —

Today the research capacity of the nation is being called upon as a resource for national security. Research facilities of colleges and universities are prominent in this defense capacity, and the School of Engineering at North Carolina State College is now strong in its ability to serve among the leading engineering schools of the country. Several research programs sponsored by the services have been in progress for several years; the School's capacity for expanded service is large.

Research currently in progress includes work being done for the Air Material Command of the U. S. Air Force, the Office of Ordnance Research, the Bureau of Ships, the Wright Air Development Center, Redstone Arsenal, and the Texas Company. Work is included in the fields of structural clay products, radiant heating, stress analysis, rotational speed deviation measurements, tannin extraction, recovery from fish waste, erosion of plastics, fuel oils, precipitation hardening and diffusion in alloys, and electronics.

Upon their conclusions, results of the engineering investigations are published as bulletins so that the information obtained may be made

available to the public and be contributed to the total field of technical knowledge. A complete list of the bulletins published to date or any other information pertaining to the operation or availability of the facilities of the Department will be furnished upon request.

RESEARCH FELLOWSHIPS

To assure wider benefits for both graduate and undergraduate students from the engineering research activities, the Department offers several Research Fellowships and employs some of the more promising and deserving students as assistants in the laboratory on a part-time basis.

INDUSTRIAL ENGINEERING

Professor R. G. CARSON, JR., Head of the Department

Professor E. S. JOHNSON

Associate Professor R. D. FURLONG

Assistant Professors R. L. COPE, J. A. NATTRESS

Instructors C. W. MADDISON, R. D. KELLEY

Visiting Lecturers RUDOLPH WILLARD, S. A. DERRY

OBJECTIVES

Industrial Engineering is a relatively new branch of the engineering profession. Its growth has been steady over the past ten years. As a college curriculum, it is the result of a demand by industry for graduates who are trained in the fundamentals of engineering and who have acquired a knowledge of how industry is organized and operated.

CURRICULUM

It is the industrial engineer's job to transform plans, specifications and blueprints into plant, equipment and personnel to create the product. He is concerned also with controls and plans for the profitable and continued operation of an existing plant.

The Industrial Engineering program at North Carolina State College has been planned with this viewpoint in mind. After the first year, which is common with all other branches of engineering, the curriculum includes courses in Industrial Organization and Management, Motion and Time Study, Plant Layout, Quality Control, Job Evaluation, Accounting, Personnel and Labor Relations and Production Control together with other specialized courses which help develop a background and technique for understanding our modern industrial system.

The Industrial Engineering curriculum has been inspected and accredited by the Engineers' Council for Professional Development.

Student organizations within the department include a student chapter of the American Institute of Industrial Engineers.

OPPORTUNITIES

North Carolina has many types of manufacturing in which industrial engineers may be employed. Whether the graduate goes into manufacturing, marketing and sales, or business, he is prepared through his training to understand the relationship between organization functions. This understanding is conducive to a higher efficiency of individual performance and more rapid preparation for managerial positions.

ENGINEERING

CURRICULUM IN INDUSTRIAL ENGINEERING — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	IE 206	Industrial Organization and Management	0	3
	IE 217, 218	Machine Tools and		
		Metal Forming	1	1
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	PSY 200	Introduction to Psychology	3	0
		Humanities	3	3
	MS 201, 202	Military Science		
	or	or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			<hr/> 19	<hr/> 19
3	EC 401	Principles of Accounting	0	3
	EM 341, 342	Mechanics A, B (Statics, Dynamics)	2	2
	ENG 321	Scientific Writing	0	3
	IE 301	Engineering Economy	0	2
	IE 328	Manufacturing Process	3	0
	IE 332	Motion and Time Study	4	0
	IE 343	Plant Layout and Materials Handling	0	4
	ME 301	Engineering Thermodynamics I	3	0
	ST 361	Introduction to Statistics for Engineers	2	0
	SS 301, 302	Contemporary Civilization	3	3
		Military, Air Science or Electives	3	3
			<hr/> 20	<hr/> 20
4	EE 320	Elements of Electrical Engineering	4	0
	EM 343	Strength of Materials A and		
	EM 430	Fluid Mechanics	2	2
	IE 408	Production Control	3	0
	IE 430	Job Evaluation and Wage Administration	0	3
	IE 443	Quality Control	3	0
	IE 451, 452	Seminar	1	1
		Group I Elective	0	3 or 2
		Technical Elective	0	3 or 4
	SS 491	Contemporary Issues I and		
		Elective in Humanities	3	3
		Military, Air Science or Electives	3	3
			<hr/> 19	<hr/> 18

Group I Elective; one of the following:

EC 426	Personnel Management	3
EC 431	Labor Problems	2
EC 433	Industrial Relations	2
PSY 337	Industrial Psychology I	3
PSY 438	Industrial Psychology II	3

— — — — — **PROFESSIONAL STUDY IN INDUSTRIAL ENGINEERING**

A fifth, or professional, year of study is offered in Industrial Engineering as a continuation of the four-year undergraduate program. This fifth year of study offers specialized and advanced course work leading to the degree of Industrial Engineer.

Regulations Covering this Degree are Shown on Pages 132-133.

Typical Program

		Credits	
IE 425	Sales and Distribution Methods	0	2
IE 515	Process Engineering	3	0
IE 517	Automatic Processes	3	0
IE 543	Standard Data	3	0
IE 551	Standard Costs for Manufacturing	0	3
IE 581, 582	Project Work	2	2
IE 635	Planning for Production	0	3
IE 671, 672	Seminar	1	1
	Electives	3	4
		<hr/>	<hr/>
		15	15

— — — — — **GRADUATE STUDY IN INDUSTRIAL ENGINEERING**

For general regulations, The Graduate School Catalog should be consulted. Graduate work is offered in Industrial Engineering leading to the degree of Master of Science in Industrial Engineering.

— **FURNITURE MANUFACTURING AND MANAGEMENT**

Professor E. SIGURD JOHNSON, In Charge

— — — — — **OBJECTIVES**

Any curriculum in the School of Engineering has as an aim the preparation of men capable of handling the technical problems arising in the jobs which they undertake. Where industry is already equipped with qualified engineers, the new employee with a basic engineering education can be given on-the-job training in analyzing and solving the special problems peculiar to the particular plant or industry.

In the case of the furniture industry, practically no experienced engineers exist. To be of service the College must emphasize to a greater extent the application of engineering principles to the problems of the furniture industry. This can be done effectively only if the instructional staff is aware of the problems of the industry from direct contact and not merely from academic discussion and the available literature. Consequently the program has been worked out in conjunction with representatives of the manufacturers. Their viewpoint is based on a survey made among the entire membership of the Southern Furniture Manufacturers' Association. Results of the survey indicate an overwhelming interest in college training to prepare men for work in this industry.

— — — — — **CURRICULUM**

It is the purpose of the curriculum offering the degree of Bachelor of Science in Furniture Manufacturing to prepare graduates for technical and, eventually, executive positions in the furniture industry. The curriculum will emphasize the application of engineering to furniture manufacturing. Related subjects covering management, labor relations, accounting, marketing and sales will stress the technical as well as the human side of modern production methods and techniques.

ENGINEERING

STUDENT ACTIVITIES

The Industrial Engineering Department sponsors the Furniture Club, which is operated by the students. All students in the curriculum are eligible for membership in the organization. The club brings in speakers from industry and holds social gatherings for the students.

FURNITURE MANUFACTURING AND MANAGEMENT CURRICULUM

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	ENG 211	Business Communications	3	0
	ENG 231	Basic Speaking Skills	0	3
	FOR 202	Engineering Properties of Wood	1	0
	FOR 303	Wood-Moisture Relations	0	2
	IE 206	Industrial Organizations and Management	3	0
	IE 224	Wood Working Equipment	0	3
	PY 211, 212	General Physics	4	4
	TX 271	Upholstery Fabrics	2	0
		Humanities	3	3
	MS 201, 202	Military Science		
	or	or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			19	18

3	EC 401	Principles of Accounting	0	3
	FOR 433	Gluing and Plywood	3	0
	FOR 443	Wood Finishing	0	3
	IE 322	Furniture Design and Construction	2	0
	IE 326	Furniture Manufacture and Processing	0	3
	IE 332	Motion and Time Study	4	0
	PSY 200	Introduction to Psychology	3	0
	SS 301, 302	Contemporary Civilization	3	3
	ST 361	Introduction to Statistics for Engineers	0	3
		Technical Electives	2	2
		Military or Air Science or Electives	3	3
			20	20

4	EC 432	Industrial Relations	0	2
	FOR 563	Quality Control in Wood Product		
		Manufacturing	3	0
	IE 341	Furniture Plant Layout and Design	3	0
	IE 408	Production Control	3	0
	IE 430	Job Evaluation and Wage Administration	0	3
	IE 451, 452	Seminar	1	1
	SS 491	Contemporary Issues I and		
		Elective in Humanities	3	3
		Technical Electives	3	6
		Military or Air Science or Electives	3	3
			19	18

— — — — — THE DEPARTMENT OF MATHEMATICS

Professor H. A. FISHER, Head of the Department

*Professors R. C. BULLOCK, J. W. CELL, J. M. CLARKSON, JACK LEVINE,
C. G. MUMFORD, H. M. NAHIKIAN, H. V. PARK, H. PAGE WILLIAMS,
L. S. WINTON*

Associate Professors P. E. LEWIS, C. F. STROBEL, G. C. WATSON

*Assistant Professors E. J. CANADAY, H. C. COOKE, ANNA MAE HARRIS,
C. F. LEWIS, D. M. PETERSON, V. R. BRANTLEY, C. H. LITTLE, JR.,
A. R. NOLSTAD, H. A. PETREA*

*Instructors H. E. SPEECE, RUTH B. HONEYCUTT, C. N. ANDERSON, G. C.
CALDWELL, MARTHA J. GARREN, A. R. MARSHALL, CARLOTTA P.
PATTON, W. C. TURNER, D. P. WYLIE*

— — — — — OBJECTIVES

There is great need both in industry and in the field of teaching for people trained in applied mathematics. The increasing use of both digital and analog computers and the shift to automation in industry have given rise to requirements for mathematics analysts. The Department of Mathematics offers opportunities in the elementary and advanced courses for the student to learn important concepts in mathematics and to apply these to situations in engineering and the sciences.

— — — — — CURRICULUM

The curriculum for the Bachelor of Science in Engineering Mathematics has been set up to provide the student with a sound foundation in mathematics, and at the same time to give enough flexibility to permit the student to carry out a rather thorough study in some field of Engineering. The number of required courses has thus been held to a minimum in order that the individual needs of students may be met more readily. It will be the duty of the student's individual adviser to direct the student in the choice of a sound program of electives. The curriculum is designed especially to meet the needs of students who wish to go into positions in industry requiring a good mathematical background and who therefore will require mathematics *plus* a knowledge in some branch of application.

The program for the Master's Degree in Applied Mathematics presupposes either an undergraduate degree in engineering, or a degree in applied mathematics, or a Bachelor of Arts degree with proper emphasis in physics or equivalent background material. The student's program will be planned by his graduate advisory committee. A minor is required in one or two fields of engineering or in statistics.

— — — — — CURRICULUM IN ENGINEERING MATHEMATICS

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
1	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	ENG 205	Reading for Discovery and		
	EC 205	The Economic Process	3	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		Electives*	3	3
			<hr/> 18	<hr/> 18

ENGINEERING

1	MA 401	Differential Equations and Mathematics***	3	3
	ST 361	Introduction to Statistics for Engineers	0	3
	SS 301, 302	Contemporary Civilization Engineering**	3	3
		Electives, Military or Air Science Electives*	3	3
			8	4
			<hr/>	<hr/>
			20	19
2	MA 511, 512	Advanced Calculus I, II	3	3
	MA 535	An Introduction to Computers and Mathematics***	3	3
	SS 491	Contemporary Issues I and Elective in Humanities	3	3
		Engineering**	3	3
		Electives, Military or Air Science Statistics*** or EC 555 Introduction to Linear Programming	3	3
		Electives*	3	0
			0	5
			<hr/>	<hr/>
			18	20

* Elective courses are to be chosen subject to approval of the student's adviser and the Department Head. A year (6 credits) of a foreign language is recommended and more may be taken, e.g. ML 103, 104; 403, 404.

** A minimum of 12 credits of work in one or two Departments in Engineering is required. This sequence of engineering courses will require the approval of the student's adviser or Department Head. Sequences chosen from the following are recommended:

E 201, 202; 301, 302; 511, 512.

EM 311, 312; 322, 430

CHE 301, 302; 411, 412; 415

ME 351, 352; 453

PY 401, 402, 403, 404; 407, 410

*** The courses in Mathematics and Statistics may be selected from the following subject to approval of the student's adviser and the Department Head:

MA 402, 403, 404; 501, 502; 514; 522; 532; 541

ST 515, 516, 521, 522

CURRICULUM FOR MASTER OF SCIENCE IN APPLIED MATHEMATICS —

Prerequisites:		Credits	
	Drawing	4	
	Mechanics	6	
	Strength of Materials	3	
	Physics	4	
	Differential Equations	3	
Required Courses:			
MA 511, 512	Advanced Calculus	3	3
MA 541	Vector Analysis	3	or 3
MA 602	Partial Differential Equations	0	3
MA 611	Complex Variables and Applications	3	0
MA 632	Operational Mathematics	3	0

A minimum of 12 additional credits is required to be selected in consultation with an advisory committee. At least 9 of these 12 hours will be chosen from one or two fields allied to mathematics; such as engineering, physics, mechanics, or statistics. Representatives of the departments concerned will serve as members of the advisory committee.

—MECHANICAL ENGINEERING

Professors K. P. HANSON, *Head of the Department*

Professors Emeritus H. B. BRIGGS, E. G. HOEFER, L. L. VAUGHAN

Professors J. S. DOOLITTLE, V. M. FAIRES, R. B. KNIGHT, J.F. LEE, R. M.

PINKERTON, R. B. RICE

Associate Professors W. E. ADAMS, W. S. BRIDGES, T. C. BROWN, P. E. MOOSE

Assistant Professors J. J. CLEARY, M. L. ENGLISH, LEE HARRISBERGER, T. B. LEDBETTER, P. B. LEONARD, T. J. MARTIN, J. K. WHITFIELD

Instructors D. C. BROWN, MALCOLM LEWIS, H. K. McMILLAN, T. L. NASH, E. H. STINSON

—OBJECTIVES

The Mechanical Engineering Department offers a four-year bachelor's program in Mechanical Engineering and in Aeronautical Engineering as an option in the Mechanical field. The curricula in both Mechanical Engineering and the Aeronautical option are accredited by the Engineers' Council for Professional Development.

The mechanical engineer is primarily a designer and builder of machines and other equipment for use in manufacturing processes, transportation, and the generation of power. He is responsible for the conservation and economical use of the power-producing resources of the world through the application of the proper equipment in each field of production. He is called upon to take charge of the management of the manufacturing and power industries. For the mechanical engineer to be well grounded in his profession, he must be thoroughly familiar with both the science and the art of engineering.

—CURRICULUM

The curriculum in Mechanical Engineering begins with a thorough training in mathematics, physics, and chemistry, as a foundation for the technical work which is later developed along several parallel lines. The student is taught how these fundamental sciences are applied to the physical properties of the materials of construction and to the transformation of heat energy into work and power. This is accomplished by means of courses in theory and through instruction in the mechanical laboratories.

The curriculum in Aeronautical Engineering (option under Mechanical Engineering) embodies the same basic studies as the Mechanical Engineering program, specializing in Aeronautical sciences in the junior and senior years. Graduates of this curriculum are prepared to take their places in the fields of design, production, and research in the Aeronautical industries.

The primary objective of the Aeronautical Option is to provide general training in subjects fundamental to Aeronautical Engineering. In general, the professional subjects are directed toward aerodynamics, structures, and airplane design with special emphasis on the fundamental treatment of aeronautical science; to familiarize the student with the principles of flight and with the general criteria of design and construction as applied to the airplane. Classroom work is supported by experimental activities in the aeronautical laboratory which offers facilities in wind tunnel, structural, and instrument studies. The first three years of study are, for the most part, devoted to fundamental subjects, the strictly professional work being deferred until the fourth year.

Through the training offered in this department, it is hoped that the young graduate, after gaining some experience in industry, will be qualified to accept the responsibilities which will be imposed upon him in Mechanical and Aeronautical industries.

ENGINEERING

CURRICULUM IN MECHANICAL ENGINEERING — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	ENG 205	Reading for Discovery	3	0
	HI 205	The Modern Western World	0	3
	EM 311	Engineering Mechanics I (Statics)	0	3
	IE 217, 218	Machine Tool; Metal Forming	1	1
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics I, II	5	5
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		Elective	3	0
			<hr/> 19	<hr/> 19
3	EM 312	Engineering Mechanics II (Dynamics)	3	0
	EM 321	Strength of Materials I	0	3
	EM 430	Fluid Mechanics	0	2
	MA 401	Differential Equations	3	0
	ME 301, 302	Engineering Thermodynamics I, II	3	3
	ME 305, 306	Mechanical Engineering Laboratory I, II	1	1
	ME 311	Kinematics	3	0
	ME 312	Dynamic Analysis	0	3
	SS 301, 302	Contemporary Civilization	3	3
		Electives, Military or Air Science	3	3
			<hr/> 19	<hr/> 18

SUMMER REQUIREMENT: Six weeks' industrial employment

4	EE 331, 332	Principles of Electrical Engineering	4	4
	ME 401	Power Plants	3	0
	ME 405, 406	Mechanical Engineering Laboratory III, IV	1	1
	ME 411, 412	Machine Design I, II	3	3
	ME 441	Technical Seminar	1	0
	ME 502	Heat Transfer	0	3
	MIM 421, 422	Metallurgy I, II	2	2
	MIM 423	Metallurgy Laboratory	0	1
	SS 491	Contemporary Issues I; and		
		Elective in Humanities	3	3
		Electives, Military or Air Science	3	3
			<hr/> 20	<hr/> 20

CURRICULUM IN AERONAUTICAL OPTION — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	ENG 205	Reading for Discovery	3	0
	HI 205	The Modern Western World	0	3
	EM 311	Engineering Mechanics I (Statics)	0	3
	IE 217, 218	Machine Tool; Metal Forming	1	1
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics I, II	5	5

3	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
		Elective	3	0
			<hr/> 19	<hr/> 19
3	ME 351	Elements of Aeronautical Engineering	3	0
	ME 352	Aerodynamics	0	3
	EM 312	Engineering Mechanics II (Dynamics)	3	0
	EM 321	Strength of Materials I	0	3
	MA 401	Differential Equations	3	0
	ME 301, 302	Engineering Thermodynamics I, II	3	3
	ME 305, 306	Mechanical Engineering Laboratory I, II	1	1
	ME 311	Kinematics	0	3
	SS 301, 302	Contemporary Civilization	3	3
		Electives, Military or Air Science	3	3
			<hr/> 19	<hr/> 19

SUMMER REQUIREMENT: Six weeks' industrial employment

4	ME 441	Technical Seminar	1	0
	ME 459	Aircraft Structures	3	0
	ME 455, 456	Aeronautical Laboratory I, II	1	1
	ME 461, 462	Airplane Design I, II	3	3
	ME 536	Aircraft Engines	0	3
	EE 320	Elements of Electrical Engineering	4	0
	ME 410	Jet Propulsion	0	3
	MIM 421, 422	Metallurgy I, II	2	2
	MIM 423	Metallurgy Laboratory	0	1
	SS 491	Contemporary Issues I; and		
		Elective in Humanities	3	3
		Electives, Military or Air Science	3	3
			<hr/> 20	<hr/> 19

— — — — — HEATING AND AIR CONDITIONING

Professor R. B. KNIGHT, In Charge

— — — — — OBJECTIVES

The objective of the program in Heating and Air Conditioning offered by the Mechanical Engineering Department is to train young men in this specialized field and prepare them to take positions in industry in the design, construction, and operation of heating, ventilating, and air conditioning systems as well as in the management of such industries and as sales representatives of companies manufacturing equipment for the trade.

— — — — — CURRICULUM

The curriculum has the first year in common with the regular engineering program and starts specialization in the second year. Sufficient basic science courses are required in the first years to establish a firm foundation for the more technical courses in the later years. Training is accomplished by lecture, recitation, and demonstration work with a liberal inclusion of laboratory work illustrating the theory and drawing atten-

ENGINEERING

tion to the practical aspects of the subject. Provision is made for the more liberal aspects of college education through the humanities courses. Electives in the junior and senior years for those who do not choose advanced Military Science allow further liberal or technical education in any group of courses which will meet with the objectives of the individual.

DEGREES — — — — —

The four-year program in Heating and Air Conditioning leads to the degree of Bachelor of Science in Heating and Air Conditioning.

HEATING AND AIR CONDITIONING CURRICULUM — — — — —
FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	EC 205	The Economic Process; and		
	ENG 205	Reading for Discovery	3	3
	EC 312	Accounting for Engineers	0	3
	ENG 211	Business Communications	3	0
	EM 341	Mechanics "A" (Statics)	0	2
	IA 215	Sheet Metal	1	0
	IE 269	Welding and Pipe Shopwork	0	1
	MA 201	Calculus I	4	0
	ME 271, 272	Air Conditioning Drawing I, II	2	2
	PY 211, 212	General Physics	4	4
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
3	PE 201, 202	Physical Education	1	1
			20	18
	CE 351	Details of Building Construction	2	0
	EE 341, 342	Industrial Electricity I, II	4	4
	EM 342	Mechanics "B" (Dynamics)	2	0
	EM 343	Strength of Materials A	2	0
	EM 430	Fluid Mechanics	0	2
	ME 371, 372	Elementary Heat Power I, II	3	3
	ME 375, 376	Air Conditioning Laboratory I, II	1	1
	ME 381	Air Conditioning I	0	3
	SS 301, 302	Contemporary Civilization	3	3
		Electives, Military or Air Science	3	3
			20	19

SUMMER REQUIREMENT: Six weeks' industrial employment.

4	EC 407	Business Law I	0	3
	IE 206	Industrial Organization	2	0
	IE 425	Sales and Distribution Methods	0	3
	ME 379	Mechanical Equipment of Buildings	0	3
	ME 382	Air Conditioning II	3	0
	ME 473	Refrigeration	3	0
	ME 475, 476	Air Conditioning Laboratory III, IV	1	1
	ME 481, 482	Air Conditioning Design I, II	3	3
	SS 491	Contemporary Issues I; and		
		Elective in Humanities	3	3
		Electives, Military or Air Science	3	3
			18	19

— — — — **PROFESSIONAL STUDY IN MECHANICAL ENGINEERING**

A fifth, or professional year of study is offered in Mechanical Engineering, as a continuation of the four-year undergraduate program. This fifth year of study offers specialized and advanced work leading to the degree of Mechanical Engineer.

Regulations Covering this Degree are Shown on Pages 132-133.

CURRICULUM

Typical Programs

			Credits		
5	HEAT-POWER				
	ME 403	Internal Combustion Engines	0	2	
	ME 501	Steam and Gas Turbines	3	0	
	ME 502	Heat Transfer	0	3	
	ME 545, 546	Project Work in Mechanical Engineering I, II	2	2	
	ME 601	Advanced Engineering Thermodynamics I	3	0	
	ME 603	Advanced Power Plants	3	0	
	ME 604	Nuclear Power Plants	0	3	
	ME 641, 642	Mechanical Engineering Seminar I, II	1	1	
		Approved Electives	3	4	
			15	15	

DESIGN				
5	EM 554	Vibration Problems	0	3
	MA 401	Differential Equations	3	0
	ME 515	Experimental Stress Analysis	3	0
	ME 517	Lubrication	0	3
	ME 521	Advanced Physical Metallurgy I	3	0
	ME 545, 546	Project Work in Mechanical Engineering I, II	2	2
	ME 611, 612	Advanced Machine Design I, II	3	3
	ME 641, 642	Mechanical Engineering Seminar I, II	1	1
			<hr/>	<hr/>
			15	15

AERONAUTICAL				
5	ME 453	Applied Aerodynamics	3	0
	ME 562	Advanced Aircraft Structures	0	3
	ME 502	Heat Transfer	3	3
	ME 552	Aircraft Applied Loads	3	0
	ME 554	Advanced Aerodynamics	0	3
	ME 545, 546	Project Work in Mechanical Engineering I, II	2	2
	ME 641, 642	Mechanical Engineering Seminar I, II	1	1
		Approved Electives	3	6
			<hr/>	<hr/>
			15	15

ENGINEERING

GRADUATE STUDY IN MECHANICAL ENGINEERING — — — — —

Graduate work leading to the degree of Master of Science in Mechanical Engineering is offered in three specific fields: Heat-Power, Design, and Aeronautics. Graduate staff members in these fields are men of national reputation for their achievement and competency. Active research programs in the fundamentals and applications of Mechanical Engineering provide excellent opportunities for graduate students to gain competency in their selected field of study.

For general regulations, the Graduate School Catalog should be consulted.

MINERAL INDUSTRIES — — — — —

Professors W. W. AUSTIN, *Head*, W. C. BELL, I. FERENCZI, W. W. KRIEDEL, J. M. PARKER, III

Associate Professors W. C. HACKLER, E. L. MILLER, JR., H. H. STADEL-MAIER

Instructors R. B. MOFFITT, W. E. MOODY

OBJECTIVES — — — — —

The primary objectives of the Department of Mineral Industries are the training and professional development of qualified technical and administrative leaders for those industries concerned with the location and utilization of mineral resources. Included within this scope of operation are the fields of Geological, Ceramic and Metallurgical Engineering.

CURRICULA — — — — —

Complete four-year undergraduate curricula in Geological, Ceramic, and Metallurgical Engineering are available in the Department. Fifth year professional programs are also available for advanced work and specialization in each of these fields, and graduate programs leading to the Master's and Doctor's degrees in Ceramic Engineering, and to the Master's degree in Geological Engineering are offered.

FACILITIES — — — — —

The facilities of the Department of Mineral Industries are housed in Page Hall and the Ceramic Building. Located in Page Hall are departmental offices, drawing rooms, classrooms and extensive laboratory facilities for instructional work and research in the three areas of study covered by the department. Typical of the numerous well equipped laboratories in the building are those established for instruction in the following areas of study; ceramic operations and processes, dielectric measurements, ceramic microscopy, physical geology, mineralogy, mineral dressing, petrology, physical metallurgy and metallography. Other laboratory facilities particularly kilns and furnaces are housed in the Ceramic Building next door. Important additional facilities for instruction and research are located in the Engineering Research Department's Ceramic and Metallurgical Research Laboratories. Here equipment and instrumentation are available for advanced work in high temperature technology, X-Ray diffraction, radiography, electron microscopy, and photomicrography.

DEPARTMENTAL STUDENT ACTIVITIES — — — — —

The Student Branches of the American Ceramic Society and the American Institute of Mining and Metallurgical Engineers (Rockhound Society) through their monthly meetings provide an effective medium for the professional growth of the student engineers. Programs include presentation of student papers, guest speakers and social contact between student and staff. Participation acquaints the student with parliamentary

and organizational procedures which are of great importance to professional, industrial, and civic life. Students are encouraged to attend Southeastern Section and National meetings of their respective societies. Keramos, the oldest professional engineering fraternity, has an active chapter on the campus. This fraternity is dedicated to the promotion of scholarship, mental achievement and general service to ceramic engineering students. It carries on various projects, one of which is the "Big Brother Project" to help freshmen in their orientation in college life.

CERAMIC ENGINEERING

The undergraduate curriculum in Ceramic Engineering is the result of years of study and development and is designed to meet the challenge of modern civilization. The program of study encompasses a thorough grounding in the basic physical sciences and the fundamental disciplines of engineering. Processes and operations peculiar to ceramic engineering are developed from the viewpoint of interpreting and applying the underlying scientific laws, rather than empirical methods of procedure. The phenomena studied include crushing, grinding, classification and packing of particles, rheological properties of plastic masses, suspensions and slurries, drying of solids, combustion, heat transfer, and high temperature chemical reactions. Production at lowest possible cost and improvement of processes and operations are emphasized throughout the program. Attitudes of research, experimentation, and originality of thought are fostered.

Because the Department is dedicated to training young men for leadership, and because of the recognition that responsible leadership should be vested in thinking, well-oriented men, the curriculum includes a planned program of social and humanistic studies. This program is designed to prepare the student for an understanding and appreciation of his responsibilities to society, his profession, and himself, to the end that he will lead a fuller, more productive and satisfying life.

OPPORTUNITIES

Professional training in ceramic engineering provides opportunities for employment in an industry producing a wide variety of essential products including glass in all its forms, enamels and protective coatings for metals, structural clay products such as brick and tile, refractories for furnace linings, thermal insulators, electrical insulators, dielectric components, Portland cement, gypsum products, abrasives, dinnerware, art pottery, bath fixtures and hundreds of other items. In addition to these "end products" ceramics are finding ever increasing applications in the electronic, aviation, guided missile, automotive and atomic energy fields. A continuing shortage of qualified personnel in ceramic engineering has resulted in far more employment offers than there are graduates. Initial employment upon graduation may be in the fields of research and development, in plant operation and control, and in technical sales and service. Such employment may lead to positions as directors of research, consulting and design engineers, sales directors, plant superintendents, production managers and finally administrative officers.

GEOLOGICAL ENGINEERING

Geological engineering is a technical field in which geological facts are combined with engineering techniques for the solution of problems concerned mainly with mineral raw material supply and with engineering projects. Many major engineering undertakings, such as construction of large dams and reservoirs, tunnels, and large buildings, depend for success in part on an exact knowledge of their geological setting. On the other hand, such geological problems as the economical development of mineral resources require the use of the precise methods of engineering. In the field of geological engineering, then, geology contributes

data concerning the constitution, structure, and history of the earth; engineering supplies quantitative, analytical methods whereby physical and chemical laws may be controlled for mankind's benefit. The Geological Engineering curriculum combines those fundamental disciplines regarded as basic to all engineering with training in the aspects of geology that are of most practical application to human affairs.

OPPORTUNITIES — — — — —

A graduate in this curriculum may follow one of two broad fields of engineering, either in the United States or in foreign countries: one, the application of geology to engineering work: the other, the application of geology in the mineral industries. Geological engineers are currently employed and in demand by oil companies and quarrying concerns; exploration companies; construction firms; railroads, public utilities, banks and insurance companies; iron, steel, and other metal producers; manufacturers using non-metallic mineral raw materials, as for ceramics, cement, and abrasives, municipal, state, and federal government agencies; schools, colleges, museums, and research institutes. The southeastern United States offers excellent opportunities for geological engineers. There is a growing need for the application of geological science to engineering construction in connection with highways, foundations, excavations, and in water supply problems. The mineral industry of the southeast has expanded substantially in the last decade; known deposits in the region, as yet only partially developed, include iron, nickel, copper, chromite, molybdenite, feldspar, mica, kaolin, cyanite, sillimanite, pyrophyllite, talc, barite, spodumene, sulphur (pyrite), coal, phosphate, granite, limestone, and marl.

METALLURGICAL ENGINEERING — — — — —

The undergraduate curriculum in metallurgical engineering is a standard four-year program designed to produce technically trained leaders for those industries and agencies associated with the development, production, and fabrication of metals and alloys. The major emphasis is on the application of the principles of physical and mechanical metallurgy to engineering problems encountered in these industries. Major sequence courses for the development of this emphasis are offered during the third and fourth years of the curriculum and are preceded by a well rounded program of basic and engineering sciences, and humanities. Because of this arrangement it is possible for a student to complete the first two years of his training at a suitably qualified liberal arts college and to transfer to North Carolina State College for the final two years. While such an arrangement is encouraged it is nevertheless advisable for the prospective transfer student to seek the guidance and counsel of the Engineering School Administration at the beginning of his college career, in order to minimize difficulties associated with the transfer of credits.

OPPORTUNITIES — — — — —

Opportunities open to graduates in metallurgical engineering are virtually unlimited. Each year the demand for men with metallurgical training becomes more urgent, and the number of positions presently available is several times greater than the number of graduates. A graduate metallurgical engineer may thus choose from a wide selection of companies, locations and types of work. Among the more important job opportunities open to metallurgical engineers are those in research and development of new alloys so desperately needed as materials of construction in the rapidly expanding fields of chemical, mechanical, aeronautical, and nuclear technology. With the rapid industrialization of the South and particularly the State of North Carolina, new opportunities are constantly developing for metallurgical engineers who will play a vital role in maintaining the forward progress of the State and region.

CURRICULUM IN CERAMIC ENGINEERING

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	EC 205	The Economic Process	0	3
	ENG 205	Reading for Discovery	3	0
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	CH 215	Quantative Analysis	0	4
	MIM 201	Structure and Properties of Engineering Materials*	3	0
	MS 201, 202	Military Science II		
	or	or		
	AS 211, 212	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			18	19

* Transfer students who have satisfactorily completed the equivalent of all first and second year courses except MIM 201, and who can present acceptable electives in lieu of this course will be admitted as third year students in ceramic engineering. They will be permitted to take this course in addition to the regular third year program, substituting it for three credits of electives permitted in the third year.

3	EM 343	Strength of Materials	0	2
	EM 341, 342	Engineering Mechanics A, B	2	2
	CH 531, 532	Physical Chemistry	3	3
	MIG 120	Physical Geology	3	0
	MIC 301, 302	Ceramic Operations I, II	4	3
	MIG 330	Mineralogy	3	0
	SS 301, 302	Contemporary Civilization	3	3
	MIC 312	Ceramic Process Principles I	0	4
		Electives	3	3
		<hr/>	<hr/>	
		21	20	

Summer Requirement: Six weeks' industrial employment

4	EE 320	Electrical Engineering	0	4
	MIC 505	Research and Control Methods	0	3
	MIG 531	Optical Mineralogy	3	0
	MIC 413	Ceramic Process Principles II	4	0
	MIC 415, 416	Ceramic Engineering Resign	2	2
	MIC 420	Industrial Ceramics	3	0
	MIC 413	Senior Thesis	0	3
	MIC 425	Seminar	1	0
	SS 491	Contemporary Issues	3	0
		Humanities Elective	0	3
			<hr/>	<hr/>
			19	18

PROFESSIONAL STUDY IN CERAMIC ENGINEERING

A fifth, or professional, year of study is offered in Ceramic Engineering, as a continuation of the four-year undergraduate program. This professional year of study offers specialized advanced course work leading to the degree of Ceramic Engineer, and is especially designed for those planning a career in industrial production activities. Each program of study is designed to suit the needs of the individual student. The curriculum shown below is typical of these programs.

ENGINEERING

REGULATIONS COVERING PROFESSIONAL STUDY ARE SHOWN ON PAGES 132-133.

Typical Professional Program in Ceramic Engineering

		Credits	
5	MIC 507, 508 Advanced Ceramic Experiments	3	3
	MIC 511 Advanced Studies in Firing	3	0
	MIC 527 Refractories in Service	0	3
	IE 332 Motion and Time Study	0	4
	IE 408 Production Control	3	0
	Electives	6	5
		<hr/>	<hr/>
		15	15

CURRICULUM IN GEOLOGICAL ENGINEERING — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

2	EC 205 The Economic Process	0	3
	ENG 205 Reading for Discovery	3	0
	MA 201, 202 Calculus I, II	4	4
	PY 201, 202 General Physics	5	5
	CH 215 Quantitative Analysis	0	4
	MIG 120 Physical Geology*	3	0
	MS 201, 202 Military Science		
	or or		
	AS 211, 212 Air Science	2	2
	PE 201, 202 Physical Education	1	1
		<hr/>	<hr/>
		18	19

* Transfer students who have satisfactorily completed the equivalent of all first and second year courses except MIG 120, and who can present acceptable electives in lieu of this course will be admitted as third year students in geological engineering. They will be permitted to take this course in addition to the regular third year program, substituting it for three credits of electives permitted in the third year.

3	EM 341, 342 Mechanics	2	2
	EM 343 Strength of Materials	0	2
	CH 531, 532 Physical Chemistry	3	3
	CE 201 Surveying	3	0
	MIG 222 Historical Geology	3	0
	MIG 372 Elements of Mining Engineering	0	4
	MIG 330 Mineralogy	3	0
	MIG 442 Petrology	0	3
	SS 301, 302 Contemporary Civilization	3	3
	Electives	3	3
		<hr/>	<hr/>
		20	20

Summer Requirements: Six weeks' industrial employment.
Or summer camp in Geological Engineering

4	EE 320 Electrical Engineering	4	0
	EM 430 Fluid Mechanics	0	2
	MIG 351 Structural Geology	3	0
	MIG 531 Optical Mineralogy	3	0
	MIG 411, 412 Economic Geology	3	3
	MIG 452 Sedimentation and Stratigraphy	3	0

		Credits	
MIG 462	Geological Surveying	0	3
MIG 481, 482	Senior Seminar	1	1
SS 491	Contemporary Issues	3	0
	Humanities Elective	0	3
	Electives	3	3
		<hr/>	<hr/>
		20	18

— — — — — **PROFESSIONAL STUDY IN GEOLOGICAL ENGINEERING**

A fifth, or professional, year of study is offered in Geological Engineering, as a continuation of the fourth-year undergraduate program. This fifth year of study offers specialized and advanced work leading to the degree of Geological Engineer.

Regulations Governing Professional Study are Shown on Pages 132-133.

Typical Professional Program in Geological Engineering

5	MIG 461	Engineering Geology	3	0
	MIG 522	Petroleum Geology	0	3
	MIG 552	Geophysics	0	3
	MIG 571, 572	Mining and Mineral Dressing	3	3
	MIG 581	Geomorphology	3	0
	MIG 611, 612	Advanced Economic Geology	3	3
		Electives	3	3
		<hr/>	<hr/>	
		15	15	

— — — — — **CURRICULUM IN METALLURGICAL ENGINEERING**

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

2	EC 205	The Economic Process	0	3
	ENG 205	Reading for Discovery	3	0
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Studies	5	5
	CH 215	Quantitative Analysis	0	4
	MIM 201	Structure and Properties of Engineering Materials*	3	0
	MS 201, 202	Military Science		
	or	or		
	AS 211, 212	Air Science	2	2
	PR 201, 202	Physical Education	1	1
		<hr/>	<hr/>	
		18	19	

* Transfer students who have satisfactorily completed the equivalent of all first and second year courses except MIM 201, and who can present acceptable electives in lieu of this course will be admitted as third year students in metallurgical engineering. They will be permitted to take this course in addition to the regular third year program, substituting it for three credits of electives permitted in the third year.

3	EM 341, 342	Engineering Mechanics	2	2
	EM 343	Strength of Materials	0	2
	MIG 120	Physical Geology	3	0
	CH 531, 532	Physical Chemistry	3	3
	IE 217, 218	Machine Tools—Metal Forming	1	1
	MIM 331, 332	Physical Metallurgy I, II	3	3
	SS 301, 302	Contemporary Civilization	3	3
		Electives	3	6
		<hr/>	<hr/>	
		18	20	

ENGINEERING

Summer Employment: Six weeks' industrial employment.

			Credits	
4	EE 320	Electrical Engineering	0	4
	EM 430	Fluid Mechanics	2	0
	MIG 330	Mineralogy	3	0
	MIM 401, 432	Metallurgical Operations	3	3
	MIM 431, 432	Metallography	4	4
	MIM 451	Seminar	0	1
	SS 491	Contemporary Issues	3	0
		Humanities Elective	0	3
		Electives	5	5
			20	20

PROFESSIONAL STUDY IN METALLURGICAL ENGINEERING — — —

A fifth, or professional, year of study is offered in Metallurgical Engineering, as a continuation of the four-year undergraduate program. This professional year of study offers specialized and advanced course work leading to the degree of Metallurgical Engineer, and is especially designed for those planning a career in industrial production activities. Each program of study is designed to suit the needs of the individual student. The curriculum shown below is typical of these programs.

REGULATIONS COVERING PROFESSIONAL STUDY ARE SHOWN ON PAGES 132-133.

Typical Professional Program in Metallurgical Engineering

			Credits	
	MIM 521, 522	Advanced Physical Metallurgy	3	3
	MIM 523, 524	Metallurgical Factors in Design	2	2
	MIM 445, 446	Experimental Engineering	3	3
	PY 407	Modern Physics	3	0
	CHE 502	Electrochemical Engineering	0	3
	ME 502	Heat Transfer	3	0
	ME 515	Experimental Stress Analysis	0	3
	MIM 651	Metallurgical Engineering Seminar	1	1
			15	15

THE PHYSICS DEPARTMENT — — — — —

*Professor CLIFFORD K. BECK

Professor A. C. MENIUS, JR., Acting Head of the Department, R. L. MURRAY, Acting Director of the Nuclear Reactor

Professors F. W. LANCASTER, J. S. MEARES, R. H. SNYDER, NEWTON UNDERWOOD

Associate Professors R. F. STAINBACK, ARTHUR WALTNER, W. D. WHITEHEAD

Assistant Professors J. H. BARRETT, E. J. BROWN, J. T. LYNN

Research Assistant RACHEL HACKNEY, H. A. LAMONDS, J. G. LUNDHOLM, JR., C. W. TERRELL

Instructors A. B. ALTER, F. R. CROWNFIELD, CLYDE B. FULMER, MINNIE C. HARRIS

* On leave.

OBJECTIVES

Physics is one of the basic sciences upon which Agriculture, Engineering, and other branches of technology are based. The Department, therefore, offers several general physics courses adapted to the needs of other departments and a number of advanced courses in specialized fields of physics available as electives to graduates and undergraduates of all departments.

In addition to its program of service instruction in support of and in cooperation with programs of training in other technical fields, the Physics Department offers under its own guidance coherent instructional programs in two applied fields: Engineering Physics and Nuclear Engineering. Curricula have been developed in each of these fields at both the undergraduate and graduate levels.

Organization of an integral course of study in Nuclear Engineering, first accomplished in 1950, represented a pioneering educational venture into this new area of engineering experience.

CURRICULA**ENGINEERING PHYSICS**

The curricula in Engineering Physics are designed to provide a student with foundation training in and a working knowledge of both general physics and basic engineering. It is anticipated that such a program will develop men with the ability to use the skills and methods of engineering in applying the principles of physics in the pursuit of research objectives or in the practical solution of engineering problems. A combination of both theoretical and applied courses is specified, together with the usual requirements in humanities (at the undergraduate level), and some latitude in program orientation to particular interests through the inclusion of course electives.

There is a rapidly growing demand for men with practical skill and strong scientific foundation to pursue the multiplying problems in the borderline fields between engineering and pure physics. The Engineering Physics program is designed to meet this need.

NUCLEAR ENGINEERING

The Nuclear Engineering Curricula are offered in response to the rapidly growing demand of industry and research organizations for engineers equipped with the basic knowledge and technology of radioactivity and nuclear processes. The field of nuclear engineering practice is so broad that practically all branches of science and engineering are involved; hence one could not hope in four or even five years to become proficient in all phases. The general curriculum is planned, therefore, to include a basic core of required courses and a number of technical elective courses which are to be scheduled, with the assistance of an adviser, in one or two of several general fields of interest. In the sophomore or junior year the student in Nuclear Engineering selects, according to his interest, the engineering field in which he wishes broader training: Chemical, Electrical, Mechanical, etc. The technical elective courses relating to this field of interest are then scheduled.

A Bachelor of Nuclear Engineering degree is awarded upon satisfactory completion of the prescribed four-year curriculum. For those desiring further training, graduate programs terminating in a Master's or a Doctor's degree in Nuclear Engineering are offered.

ENGINEERING

CURRICULUM IN ENGINEERING PHYSICS — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

			Credits	
2	EM 341	Mechanics A (Statics)	0	2
		Humanities	3	3
	IE 227, 228	Machine Tool Laboratory	1	1
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	MS 201, 202	Military Science		
	or	or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
		Technical Electives	3	0
			19	18
3	EE 331, 332	Principles of Electrical Engineering	4	4
	EM 342, 343	Mechanics B (Dynamics);		
		Strength of Materials A	2	2
	MA 401	Differential Equations	3	0
	PY 401, 402	Intermediate Physics I	4	4
	PY 407	Introduction to Modern Physics	0	3
	SS 301, 302	Contemporary Civilization	3	3
		Electives, Military or Air Science	3	3
			19	19
4	EM 430	Fluid Mechanics	0	2
	ME 301	Engineering Thermodynamics I	3	0
	PY 403, 404	Intermediate Physics II	4	4
	SS 491	Contemporary Issues I and		
		Elective in Humanities	3	3
		Technical Electives	6	8
		Electives, Military or Air Science	3	3
			19	20

CURRICULUM IN NUCLEAR ENGINEERING — — — — —

FOR THE FRESHMAN YEAR, REFER TO PAGE 97.

2	EM 341	Engineering Mechanics A (Statics)	0	2
		Humanities	3	3
	MA 201, 202	Calculus I, II	4	4
	PY 201, 202	General Physics	5	5
	MS 201, 202	Military Science		
	or	or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
		Technical Electives	3	0
			18	17
3	EM 342	Engineering Mechanics B (Dynamics)	2	0
	EM 343	Strength of Materials A	2	0
	MA 401	Differential Equations	3	0
		(Advanced Calculus or Advanced		
		Differential Equations)	0	3

ENGINEERING

		Credits	
ME 301*	Engineering Thermodynamics I	0	3
PY 401, 402	Intermediate Physics I or		
PY 403, 404	Intermediate Physics II	4	4
PY 407	Introduction to Modern Physics	3	0
PY 410	Nuclear Physics I	0	4
SS 302	Contemporary Civilization	3	3
	Electives, Military or Air Science	3	3
		<hr/>	<hr/>
		20	20

4	EE 320	Elements of Electrical Engineering	4	0
	EM 430	Fluid Mechanics	0	2
	PY 419	Introduction to Nuclear Engineering	2	0
	PY 518	Radiation Hazard and Protection	3	0
	PY 520	Physical Technology in Radioactivity	0	3
	PY 530	Elementary Nuclear Reactor Theory	0	3
	SS 491	Contemporary Issues I and		
		Elective in Humanities	3	3
		Technical Electives	5	6
		Electives, Military or Air Science	3	3
			<hr/>	<hr/>
			20	20

GRADUATE STUDY

MASTER OF SCIENCE

The Master of Science program in Engineering Physics and in Nuclear Engineering is so designated that a fully prepared student should be able to qualify for the degree in one year. "Full preparation" is interpreted to mean possession of a working knowledge of the material specified in the undergraduate program listed above.

Where students transfer into Engineering Physics after an undergraduate program in pure science or engineering, which, incidentally, is frequently done and has been found to result in commendable cumulative training experience, an extra term and sometimes two of preparatory work is required.

— CURRICULUM FOR MASTER OF SCIENCE IN ENGINEERING PHYSICS

		Credits
	Mathematics (above 400 level)	6
PY 601, 602	Advanced General Physics	6
PY 670	Seminar	2
PY 690	Research	4
	Electives**	12
		<hr/>
		30

* CHE 415, Chemical Engineering Thermodynamics, may be substituted.

** The elective courses should form a coherent pattern. At least 5 semester hours must be selected in one (or two closely related) fields of engineering or engineering and mathematics.

ENGINEERING

CURRICULUM FOR MASTER OF SCIENCE IN NUCLEAR ENGINEERING

Mathematics (above 400 level)		6
At least three of the following courses		9
		Credits
PY 518	Radiation Hazard and Protection	
PY 610	Advanced Nuclear Physics	
PY 611	Quantum Mechanics	
PY 619	Heterogeneous Reactor Design	
PY 630	Homogeneous Reactor Design	
PY 670	Seminar	2
PY 690	Research	4
	Electives*	9
		<hr/> 30

* Of the technical elective courses 6 semester hours must be selected to form a coherent sequence in a selected field of engineering. In general, selection is made from such fields of application as:

Mechanical-Metallurgical
Heat Transfer-Power Generation
Chemistry-Chemical Engineering
Instrumentation, Control Mechanisms
Theoretical: Mathematics, Reactor Design
Biological Sciences, Biochemistry, Physics

DOCTOR OF PHILOSOPHY

In the spring of 1950 the Graduate School of the Consolidated University of North Carolina granted authority to the Physics Department of State College to enroll students for training to the doctorate level. In addition to the resources and facilities of the Physics Department, those of other departments at State College and of the Physics and Mathematics Departments of the University of North Carolina at Chapel Hill are available to these advanced students as their particular programs may require. Facilities are most extensive for work in the general fields of applied nuclear physics and solid state physics. The usual rules and regulations of the Graduate School apply to students enrolled in the doctorate program in Physics. For general regulations, the Graduate School Catalog should be consulted.

THE PROFESSIONAL PROGRAM IN ENGINEERING — —

The School of Engineering offers fifth-year professional curricula leading to the degrees Ceramic Engineer, Civil Engineer, Chemical Engineer, Geological Engineer, Industrial Engineer and Mechanical Engineer. These curricula are tailor-made to fit the particular needs of each student with a view that upon completion of a program the student will be prepared to pursue a professional career in engineering.

It is the intent of the fifth-year program to emphasize professional course work rather than research. To this end, a curriculum is comprised of 30 semester credits of course work requiring of the student a minimum of one academic year in residence; neither a thesis nor a reading knowledge of a foreign language is required. Samples of curricula that met the requirements of the fifth-year program may be found under the appropriate Departmental curricula. These curricula are to be considered illustrative; the actual programs of study will be especially designed to fit the needs of the individual student.

ADMISSION — — — — —

Applicants who hold the bachelor's degree in engineering from recognized colleges will be admitted to the professional program of the School of Engineering upon presentation of official credentials. For unconditional admission, these credentials must show the completion, with a minimum average grade of 25 quality points (C+), of an amount of undergraduate work in the proposed field of professional study corre-

spondence to that normally required for a bachelor's degree in that field.

Admission on a professional basis may be granted applicants who do not meet the formal requirements. In case of insufficient preparation, prerequisite courses will be prescribed in addition to the normal fifth-year course requirements.

Applications for admission, accompanied by full credentials in the form of transcripts of academic records, should be filed in the office of the Dean of Engineering at least thirty days in advance of the semester in which admission is sought.

GENERAL REGULATIONS

The following regulations of the School of Engineering will be observed:

1. An undergraduate enrolled at North Carolina State College, who plans to undertake a professional program and who has fulfilled all requirements for the bachelor's degree except one or two courses, may be permitted to enroll in certain courses and later obtain credit toward the professional degree provided the student gives notice of his purpose to the Dean of the School of Engineering. The maximum credit to be obtained in this way is 6 semester course credits.

2. Credit for professional work to be applied toward the requirements for the professional degree, not to exceed 6 semester credits, may be transferred to North Carolina State College from recognized institutions of university grade offering advanced work in engineering and related fields. Such a transfer of credit must be recommended by the head of the department in which the student does his major work and it must be approved by the Dean of Engineering.

3. Fifth-year students are classified as post-baccalaureate students and are subject to rules and regulations as established and administered by the Dean of Engineering.

4. Grades for each completed course are reported to the Dean of Engineering and to the Office of Registration. A minimum grade of C must be made in each course to obtain credit. A quality point average of 2.5 (C+) in all course work must be attained to satisfy requirements for a professional degree.

5. Work completed more than six years prior to the date on which the professional degree is to be granted may not be used as credit toward the professional degree, unless approved by the head of the department concerned and the Dean of Engineering.

6. Each fifth-year student will be assigned to a committee consisting of his department head and the professor in charge of the work in which he is majoring. The function of this committee is to assist the student in preparing a program of study and to counsel him in his academic work. The student will be required, with the assistance of his committee, to prepare a complete plan of study before mid-semester of his first semester in residence. This program of study is subject to the approval of the Dean of Engineering.

SCHOOL OF FORESTRY

RICHARD J. PRESTON, DEAN

Professor J. V. HOFMANN, Director Emeritus and Manager North Carolina Forestry Foundation

Professors J. S. BETHEL, R. C. BRYANT, R. M. CARTER, C. E. LIBBY, T. E. MAKI, G. K. SLOCUM, L. WYMAN

Professor Emeritus L. WYMAN

Associate Professor W. D. MILLER

Assistant Professors A. C. BAREFOOT, C. A. HART, R. G. HITCHINGS, B. J. ZOBEL

Special Lecturer H. O. COOK

Geneticist R. L. McELWEE

INTRODUCTORY — — — — —

While forestry has been recognized and practiced for centuries in Europe, this profession is relatively new in the United States, dating from about the beginning of the present century. During the period of rapid expansion and development of our country the forests were badly neglected and abused. Now, however, with our timber supplies depleted and the value of timber products increasing, sound forest practices have been accepted as economically desirable and feasible. Increasing the productivity and quality of our forests is basic to the welfare of the Southeast. The importance of the forest resource in the economy of North Carolina is brought out by the fact that sixty-two per cent of the land area is in forest, with wood products industries ranking next to textiles as a source of industrial employment.

Through a program which offers a broad training in the physical and biological sciences as well as a sound cultural background the School of Forestry prepares students for service in the two major professional fields of forest management and wood utilization.

CURRICULA — — — — —

The School offers undergraduate instruction leading to the degree of Bachelor of Science in the two major professional fields of forest management and wood utilization, the latter including Wood Technology, Pulp and Paper Technology, and Wood Products Merchandising. All curricula have a common freshman year thus enabling the student to postpone selection of a major field until he has had an opportunity to become acquainted with its scope and possibilities.

Forest Management deals with all phases of the management of wild lands and includes such related subjects as water-shed protection, wildlife management, and recreation. In order that the student may be adequately prepared for work of such diverse nature, the curriculum provides training in such subjects as silviculture, timber estimating, management, fire prevention and control, forest pathology, insect control, forest soils, economics, and other aspects of land use.

The course of study in Wood Technology, which is concerned with the technical aspects of utilization, includes training in all types of wood using and wood manufacturing industries. It incorporates technical and practical principles of logging, milling, seasoning, gluing, preserving, finishing, fabricating, and machining.

Pulp and Paper Technology trains men for work in pulp and paper plants. Students are given thorough training in chemistry, mathematics, physics, wood structure and properties, pulping processes, and engineering subjects related to pulp and paper manufacturing.

Wood Products Merchandising covers the distribution, selling, and use of lumber and of products made from wood. This curriculum combines a broad background of business administration with a sound knowledge of the product being handled.

DEGREES

The Bachelor of Science degree is conferred upon completion of any of the four-year curricula in the areas mentioned above.

Professional preparation beyond the four-year curricula is desirable, and qualified students are urged to plan a five-year program leading to the Master's degree. For students desiring a thorough professional background, the School offers the degree of Master of Forestry or of Master of Wood Technology; the degree of Master of Science in these two fields is offered for those desiring specialization in the fields of scientific research.

The degree of Doctor of Philosophy is offered in several fields in forestry.

Further information regarding graduate study is contained in the Graduate School Catalog which may be obtained from the Dean of the Graduate School.

FACILITIES AND PROGRAMS

The School of Forestry is housed in Kilgore Hall on the west side of the campus. This new forestry building provides outstanding classroom and laboratory facilities.

WOOD PRODUCTS LABORATORY

The Wood Products Laboratory, housed on the first floor of the new Forestry Building and in separate buildings on Western Boulevard, contains general wood shop equipment, a veneer lathe and clipper, glue mixers and spreaders, tape machine and hot presses, testing equipment, preservation tanks, a modern dry kiln, and two portable sawmills. This equipment, available for teaching, student experience and research, provides an unexcelled laboratory for practical production processing of dimension stock, furniture, plywood and other wood products.

PULP AND PAPER LABORATORY

The recently completed Pulp and Paper Laboratory located on Western Boulevard provides modern offices and classrooms as well as laboratories for pulping, paper making, paper and pulp testing, coloring, and fiber analysis.

SCHOOL FORESTS

The School of Forestry, with more than 82,000 acres of forest land available and three permanent field camps, has facilities unexcelled in many respects for field instruction and research.

The Hofmann Forest, owned and operated by the North Carolina Forestry Foundation for the benefit of the School of Forestry, consists of approximately 78,000 acres located in Jones and Onslow counties in the southeastern portion of the state. Pond and loblolly pine together with hardwood and cypress swamps characterize this tract. Part of the spring semester of the Senior year is spent in the permanent camp located in this forest.

The George Watts Hill Demonstration Forest is a tract of 1,500 acres located sixteen miles north of Durham. This typically piedmont forest of rolling terrain contains stands of loblolly, shortleaf and Virginia pines along with numerous hardwoods. The permanent summer camp for sophomores is located in this area.

FORESTRY

The Wayah Recreational Area in the North Carolina National Forest near Franklin is located in a typical mountain forest. Facilities at this area have been leased from the Government. Portions of the spring semester of the Senior year and of the sophomore summer camp are held in permanent quarters on this mountain tract.

The Richland Creek Farm Forest of 300 acres located four miles northwest of the campus is being developed into a model farm forest and is used for field instruction near the campus.

The Hope Valley Forest is a 1700-acre tract located five miles southeast of Chapel Hill and is used for instruction and research.

The School nursery, located on the campus, is fully equipped for instruction purposes and the production of planting stock.

FIELD INSTRUCTION AND EXPERIENCE

All students are required to present a minimum of one summer of acceptable work experience in order to meet the graduation requirements. Students are required to consult with their advisers regarding the types of employment that will be acceptable.

The ten-week Sophomore summer camp is a general requirement for students in the Forest Management, Wood Technology, and Wood Products Merchandising curricula. Students in the Forestry Management curriculum are also required to attend camp during the last half of the spring semester of the Senior year. Permanent, well-equipped camps are maintained in coastal, piedmont, and mountain forests. A "C" average is required for admission to these camps.

Additional field instruction and scheduled trips to representative wood industries are required of all students as a part of their class assignments. To cover the costs of this off-campus training, all students enrolled in the School of Forestry pay a field laboratory fee of \$10.00 each year at the time they first register for the school year. Room rent of \$20.00 is charged for both the summer and spring camps.

OPPORTUNITIES — — — — —

A wide and rapidly expanding field of employment possibilities is available in the Southeast to young men trained in forestry. Until recent years most job opportunities were with government agencies in managing public forests, and this still constitutes a major source of employment. These agencies include state and federal forest services, extension services, and other groups such as the Soil Conservation Service and the Tennessee Valley Authority.

In recent years job opportunities with private industries have expanded greatly. Increasing numbers of technically trained young men are entering a wide variety of professional positions in the fields of forest land management, watershed management, logging, sawmilling, veneer and plywood manufacturing, pulp and paper making, kiln drying, wood preservation, and the manufacture of wood products such as furniture, dimension stock, and various prefabricated items.

The merchandising of lumber and lumber products offers numerous opportunities for students qualified for sales, business administration, or small building construction. Sawmills and lumber yards, plywood and paper manufacturers, and flooring, wallboard, and other forest products plants need trained men.

Exceptional students will find opportunities for employment in research or teaching. This type of work ordinarily requires a graduate degree. There has been an increasing demand for well-trained woodlands managers and wood technologists, as well as for research workers in government experiment stations and laboratories.

Over eighty per cent of the graduates of the School of Forestry are now employed in some field of forest or wood products work. The few students who have not followed the forestry profession have found their college education sufficiently broad to provide a sound basis for a wide variety of work.

— — — — — **SHORT COURSES**

In cooperation with the College Extension Division and other departments of State College, short courses are offered to personnel in wood-using industries. These courses vary from a few days to a few weeks in length and cover such subjects as aerial photo interpretation, lumber merchandising, seasoning and kiln drying, lumber grading, gluing, wood preservation, and quality control and wood finishing. Additional courses in other fields of forestry will be offered as the need arises. In addition to the faculty of the School of Forestry, experts from the trade associations, federal laboratories, and private industry are called in to furnish instruction. Class and laboratory facilities of State College are available for these courses. These vocational courses provide to men in industry an opportunity to keep abreast of modern developments in methods and equipment.

— — — — — **FELLOWSHIPS, SCHOLARSHIPS, AND LOAN FUNDS**

A number of undergraduate scholarships, research assistantships, and teaching fellowships are available to qualified students. Students interested in applying should write to the Dean of the School of Forestry.

The Hofmann Loan Fund was established by alumni of the School of Forestry to honor Dr. J. V. Hofmann, the first Director of the Division. Loans to worthy students are available through the Student Loan Fund established by the State College Alumni Association.

Many students help pay their expenses through part-time work at the College or in town. The Self-Help Secretary of the College Y.M.C.A. assists in locating employment.

— — — — — **COURSES OF STUDY IN THE SCHOOL OF FORESTRY**

FOR ALL FORESTRY CURRICULA

			Credits	
			3	3
1	BO 101, 102	General Botany		
	CH 101, 103	General Inorganic Chemistry; General		
	or	and Qualitative Chemistry; or		
	CH 203	General and Organic Chemistry	4	4
	ENG 111, 112	Composition	3	3
	FOR 101, 102	Introduction to Forestry	2	2
	MA 111, 112	Algebra and Trigonometry; Analytic		
		Geometry and		
		Calculus A	4	4
	MS 101, 102	Military Science I		
	or	or		
	AS 121, 122	Air Science I	2	2
	PE 101, 102	Physical Education	1	1
			<hr/>	<hr/>
			19	19

* Students with a mathematics deficiency or low placement test score will start chemistry during the spring semester and will take a science course in place of chemistry during the fall semester.
Students in Forest Management, or Wood Products Merchandising will take CH 203, Organic Chemistry, the second semester; students in Pulp and Paper Technology or Wood Technology will take CH 103, Qualitative Analysis.

— — — — — **FOREST MANAGEMENT**

Professor T. E. MAKI, In Charge

— — — — — **OBJECTIVES**

Forest Management is the application of sound forestry principles in the woods. The Forest Manager considers individual trees, stands, types, and the entire forest. It is necessary, then, that he have a knowledge of

FORESTRY

the biological relationships within the forest and of the methods of controlling and using these relationships. He must have also a knowledge of the economic factors concerned in the business side of forestry and of the methods of measuring forest products and forest stands.

CURRICULUM

The curriculum in Forest Management is organized to provide a broad basic training and also to permit limited specialization. To accomplish the latter goal, the curriculum includes 18 elective credits. At the beginning of his junior year, the student selects one of the five areas of specialization listed and chooses courses listed under this field for his elective credits.

The curriculum leads to the degree of Bachelor of Science in Forest Management. A minimum of 157 credits is required for graduation.

OPPORTUNITIES

Students who complete the curriculum are trained for positions with pulp companies, lumber companies, and other private landowners; federal and state forest services; agricultural extension; and for private enterprise as consultants, forest landowners, or sawmill operators.

CURRICULUM IN FOREST MANAGEMENT

SUMMER CAMP

			Credits	
2	SOI 200	Soils	0	4
	BO 211, 212	Dendrology	2	2
	CE 217	Forestry Surveying	0	4
	EC 201	Economics	3	0
	FOR 201	Wood Structures and Properties	3	0
	PY 211	General Physics	4	0
		Social Science Electives	3	3
	ZO 102	General Zoology	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			18	19

SUMMER CAMP

	FOR S204	Silviculture		2
	FOR S214	Dendrology		2
	FOR S224	Forest Mapping		2
	FOR S264	Protection and Utilization		2
	FOR S274	Mensuration		2
				10
3	BO 421	Plant Physiology	4	0
	BO 441	Plant Ecology	3	0
	ENG 321	Scientific Writing and English Elective	3	3
	ENT 301	Introduction to Forest Insects	3	0
	FOR 361	Silvics	0	3
	FOR 372	Mensuration	3	0
	PP 318	Diseases of Forest Trees	0	3
		Social Science Elective	0	3
		Electives	3	6
			19	18

			Credits	
4	FOR 404	Management Plans (Camp)	0	3
	FOR 405	Forest Inventory (Camp)	0	2
	FOR 406	Forest Industries (Camp)	0	2
	FOR 407	Field Silviculture (Camp)	0	2
	FOR 423	Logging and Milling (8 Weeks)	0	3
	FOR 511	Silviculture	3	0
	FOR 512	Forest Economics	3	0
	FOR 531	Forest Management (8 Weeks)	0	3
	FOR 553	Forest Photogrammetry (8 Weeks)	0	2
	ST 311	Introduction to Statistics	3	0
		Electives	9	0
			<hr/>	<hr/>
			18	17

— — — — **FOREST MANAGEMENT, FIELDS OF SPECIALIZATION**

A student should select one of the following fields of specialization and choose elective courses from those listed under each field.

GENERAL FORESTRY

			Credits	
FOR 422	Forest Products	3	0	
FOR 452	Forest Grazing	2	0	
FOR 462	Artificial Forestation	0	2	
FOR 472	Forest Policy and Administration	2	0	
FOR 501	Forest Valuation	3	0	
GEE 120	Physical Geology	3	or 3	
RS 301	Sociology of Rural Life	3	or 3	
ZO 312	Game Management	3	0	

UTILIZATION

FOR 303	Wood-Moisture Relations	0	2	
FOR 401	Wood Preservation	0	2	
FOR 421	Log and Lumber Grades and Specifications	0	2	
FOR 433	Gluing and Plywood	3	0	
FOR 441	Mechanical Properties of Wood	3	0	
FOR 442	Furniture Construction and Assembly	3	0	
FOR 443	Wood Finishing	0	3	
FOR 481	Pulping Processes and Products	2	0	

FOREST WILDLIFE MANAGEMENT

FOR 452	Forest Grazing	2	0	
ZO 101	General Zoology	3	or 3	
ZO 252	Ornithology	0	3	
ZO 301	Animal Physiology	3	or 3	
ZO 521	Limnology	3	0	
ZO 522	Animal Ecology	0	3	
ZO 544	Mammology	0	3	
ZO 551, 552	Wildlife Management	3	3	

FOREST NURSERY PRACTICE

AGE 321	Irrigation, Drainage & Terracing	4	0	
SOI 341	Soil Fertility & Management	0	4	
FC 414	Weeds and Their Control	0	3	
BO 412	General Bacteriology	4	or 4	

FORESTRY

BO 532, 533	Advanced Plant Physiology	2	2
EC 401, 402	Principles of Accounting	3	3
ENT 571	Forest Entomology	3	0
GN 411	Principles of Genetics	3	or 3
HRT 301	Plant Propagation	3	or 3
HRT 311	Nursery Practice	3	0
HRT 481	Breeding of Horticulture Plants	3	0

PARKS AND RECREATION

BO 203	Introduction to Systematic Botany	0	3
GEE 120	Physical Geology	3	or 3
PSY 200	Introduction to Psychology	3	or 3
RS 301	Sociology of Rural Life	3	or 3
SOC 202	Man and Society (General Sociology)	3	or 3
ZO 101	General Zoology	3	or 3
ZO 252	Ornithology	0	3
ZO 544	Mammalogy	0	3

GRADUATE OR RESEARCH

BO 203	Introduction to Systematic Botany	0	3
CH 103	General and Qualitative Analysis	4	or 4
CH 215	Quantitative Chemistry	4	or 4
MA 211, 212	Analytic Geometry and Calculus B, C	3	3
ML	Foreign Language	3	3
PY 212	General Physics	3	3

WOOD TECHNOLOGY — — — — —

Professor R. M. CARTER, In Charge

CURRICULUM — — — — —

The Wood Technology Curriculum trains men for many assignments in manufacturing wood products. It involves a basic knowledge of the sciences combined with business economics. Experience in wood manufacturing methods is gained by student operation of modern production equipment in the Wood Products Laboratory. In addition, all students graduating from this curriculum must have a minimum of one summer's acceptable work experience.

An opportunity for student selection of courses to meet special interests is provided through 26 elective credits. At the beginning of the Junior year, each student selects one of the three listed fields of specialization and chooses for his elective credits courses listed under this field.

This curriculum leads to the degree of Bachelor of Science in Wood Technology. A minimum of 158 credits is required for graduation.

OPPORTUNITIES — — — — —

A career with wood industries offers a variety of opportunities for young men trained in wood properties, manufacturing operations, and business methods. The application of new processes and materials in the conversion of timber into the thousands of wood products has created a demand for technically trained men. Companies manufacturing lumber, veneer and plywood, hardwood dimension stock, furniture, millwork, flooring, pianos, caskets, wood turnings, adhesives, preservatives, finishing materials and composition boards are types of industries interested in employing graduates.

CURRICULUM IN WOOD TECHNOLOGY

			Credits	
2	CH 203	Organic Chemistry	0	3
	EC 201	Economics	3	0
	FOR 201	Wood Structure and Properties	3	0
	FOR 303	Wood-Moisture Relations	0	3
	IE 224	Wood Working Equipment	0	3
	MA 211, 212	Analytic Geometry and Calculus B, C	3	3
	ME 101	Engineering Graphics	2	0
	PY 211, 212	General Physics	4	4
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			<hr/> 18	<hr/> 19

SUMMER CAMP

S*	FOR S204	Silviculture		2
	FOR S214	Dendrology		2
	FOR S224	Forest Mapping		2
	FOR S264	Protection and Utilization		2
	FOR S274	Mensuration		2
				<hr/> 10

3	ENG 231	Basic Speaking Skills	0	3
	FOR 421	Log and Lumber Grades and Specifications	0	2
	FOR 423	Logging and Milling	3	0
	FOR 433	Gluing and Plywood	3	0
	FOR 441	Mechanical Properties of Wood	3	0
	ST 361	Statistics and Laboratory	0	3
		Social Science Electives	3	3
		Electives	6	8
			<hr/> 18	<hr/> 19

4		English Elective	0	3
	FOR 401	Wood Preservation	0	2
	FOR 402	Foundations of Forest Management	2	0
	FOR 442	Furniture Construction and Assembly	3	0
	FOR 443	Wood Finishing	0	3
	FOR 512	Forest Economics	3	0
	FOR 533	Advanced Wood Structure and		
	FOR 563	Identification	2	0
		Quality Control in Wood Product		
		Manufacture	3	0
		Social Science Elective	0	3
		Electives	6	6
			<hr/> 19	<hr/> 17

* Students with comparable experience, upon faculty approval, may substitute one additional summer's work experience for Summer Camp. After completion of 12 weeks of plant experience and presentation of a satisfactory report, three hours of academic credit will be granted.

FORESTRY

WOOD TECHNOLOGY, FIELDS OF SPECIALIZATION— — — — —

A student should select one of the following fields of specialization. Courses marked with an asterisk (*) are required. Technical electives should be scheduled from the remaining courses listed in the field of specialization.

HARDWOOD DIMENSION AND LUMBER		Credits	
EC 401, 402*	Principles of Accounting	3	3
EC 425	Industrial Management	3	0
EC 426	Personnel Management	0	3
EC 431	Labor Problems	2	or 2
EC 432	Industrial Relations	2	or 2
EC 504, 505*	Principles of Cost Accounting	3	3
EE 350	Electrical Applications in Wood Products	0	3
ENG 211*	Business Communications	3	or 3
FOR 372	Mensuration	0	3
FOR 422	Forest Products	3	0
FOR 431*	Dimension Stock Manufacturing	3	0
IE 322	Furniture Design and Construction	2	0
IE 332*	Motion and Time Study	0	4
IE 341	Furniture Planning, Layout and Design	3	0
IE 408*	Production Control	3	0
PSY 337	Industrial Psychology I	3	or 3

VENEER AND PLYWOOD

CHE 543	Technology of Plastics	0	3
CH 215	Quantitative Analysis	4	or 4
CH 425, 426	Organic Chemistry	3	3
EC 401*	Principles of Accounting	3	0
EC 426	Personnel Management	0	3
EC 504*	Principles of Cost Accounting	3	0
EE 350*	Electrical Applications in Wood Products	3	0
FOR 422	Forest Products	3	0
FOR 431	Dimension Stock Manufacturing	3	0
FOR 432	Merchandising Forest Products	2	0
FOR 481	Pulping Processes and Products	2	0
FOR 513*	Tropical Woods	0	2
IE 332	Motion and Time Study	0	4
IE 408	Production Control	3	0
IE 430	Job Evaluation and Wage Administration	0	4
ME 304*	Fundamentals of Heat Power	3	0
PSY 337	Industrial Psychology I	3	or 3

RESEARCH AND DEVELOPMENT

BO 410	Plant Histology and Microtechnique	3	0
CHE 301, 302	Elements of Chemical Engineering	3	3
CHE 543	Technology of Plastics	0	3
CH 351	Introductory Biochemistry	3	0
CH 425, 426	Organic Chemistry	3	3
EE 350	Electrical Applications in Wood Products	0	3
FOR 422	Forest Products	3	0
FOR 481	Pulping Processes and Products	2	0
FOR 513	Tropical Woods	0	2
FOR 542	Fiber Analysis	0	2
MA 401	Differential Equations	3	0
ME 304	Fundamentals of Heat Power	3	0
ML	Modern Languages	3	3
PY 401, 402	Intermediate Physics I	4	4
ST 515, 516	Experimental Statistics for Engineers	3	3

— — — — — PULP AND PAPER TECHNOLOGY

Professor C. E. LIBBY, In Charge

— — — — — CURRICULA

The pulp and paper technology curriculum offered by the School of Forestry at North Carolina State College is designed to train men for work in connection with the mechanical and chemical utilization of woods in the mills of pulp and paper companies. This curriculum developed in cooperation with the Departments of Chemistry and Chemical Engineering emphasizes the basic sciences essential to technical training in pulp and paper manufacture. It includes a thorough study of the wood pulping processes, chemical and by-product recovery, pulp bleaching and the various papermaking operations such as refining, sizing, filling, coloring, coating, and converting. Graduates are qualified for work in mill laboratory and quality control departments and for general plant production jobs. High scholarship students are urged to undertake graduate study after obtaining the Bachelor's degree, continuing either at this college or elsewhere in schools of papermaking, chemistry, or chemical engineering.

The program has received widespread interest and help from the pulp and paper industry. Fifty-eight of the major companies in the South are giving active support and have established the Reuben B. Robertson Distinguished Professorship as well as several scholarships. Two committees of pulp and paper executives have worked with the faculty in establishing an approved curriculum which has been designated by the Southern Regional Education Board as the four-year undergraduate program for the Southeast.

All students majoring in this curriculum are excused from the sophomore summer camp required of other forestry students, but are required to spend this summer working in a pulp or paper mill where the arrangements have been made by the College for such employment. Three hours of academic credit are granted the student after completion of 12 weeks of mill work and presentation of a satisfactory report covering this work experience. In addition to this minimum work requirement, students are urged to work in mills the remaining summers between academic years because of the great value of practical experience in this industry.

This curriculum leads to the degree of Bachelor of Science in Pulp and Paper Technology. A minimum of 157 credits is required for graduation.

— — — — — CURRICULUM IN PULP AND PAPER TECHNOLOGY

			Credits	
2	CH 215	Quantitative Analysis	4	0
	ENG 231	Basic Speaking Skills	0	3
	ENG 321	Scientific Writing	0	3
	FOR 201	Wood Structure and Properties	3	0
	MA 211, 212	Analytic Geometry and Calculus B, C	3	3
	ME 101, 102	Engineering Graphics I, II	2	2
	PY 211, 212	General Physics	4	4
	PSY 200	Introduction to General Psychology	0	3
	MS 201, 202	Military Science II		
	or	or		
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			19	21

FORESTRY

			Credits	
S	FOR 591	Forestry Problems—Mill Experience	3	
3	CHE 301, 302	Elements of Chemical Engineering	3	3
	CH 425, 426	Organic Chemistry	3	3
	CH 531, 532	Physical Chemistry	3	3
	EE 350	Electrical Applications in Wood Products Manufacturing	0	3
	FOR 321, 322	Plup and Paper Technology	3	3
	FOR 533	Advanced Wood Structure and Identification	2	0
	FOR 542	Fiber Analysis	0	2
	ME 304	Fundamentals of Heat Power	3	0
		Electives	2	2
			19	19
4	EC 201	Economics	3	0
	FOR 403	Paper Technology Laboratory	0	2
	FOR 411, 412	Pulp and Paper Mill Equipment	3	2
	FOR 413	Paper Testing Laboratory	2	0
	FOR 451	Paper Coloring Laboratory	0	2
	FOR 461	Paper Converting	1	0
	FOR 463	Plant Inspections	0	1
	FOR 471	Pulp Technology Laboratory	4	0
	FOR 482	Pulp and Paper Mill Management	0	2
	FOR 591, 592	Research Problem	1	4
	TC 511	Chemistry of Fibers	2	0
		General Electives	3	3
		Social Science Elective	0	3
			19	19

WOOD PRODUCTS MERCHANDISING— — — — —

Professor R. M. CARTER, In Charge

CURRICULUM — — — — —

The distribution of lumber and other wood products and their proper utilization comprises the third curriculum of the wood technology-utilization branch of forestry. It is intended to fill the need for personnel trained both in business methods and in the basic characteristics and properties of the products and structures made out of wood. Methods of manufacturing, merchandising, business administration, preparation of plans and specifications, and a knowledge of other building materials form an integral part of the curriculum.

An opportunity for student selection of courses to meet special interests is provided through 24 elective credits. At the beginning of the Junior year each student selects one of the three fields of specialization listed and chooses for his elective credits courses listed under this field.

This curriculum leads to the degree of Bachelor of Science in Wood Products Merchandising. A minimum of 158 credits is required for graduation.

— — — — — OPPORTUNITIES

This curriculum trains men in light building construction, wood products manufacturing and merchandising for a wide variety of production and marketing positions with sawmills; retail and wholesale lumber yards, or brokerage firms; plywood and paper manufacturers; roofing felt, wallboard, flooring and furniture plants; and industries providing trade outlets for other wood products and associated materials.

— — — — — CURRICULUM IN WOOD PRODUCTS MERCHANDISING

			Credits	
2	CE 217	Forestry Surveying	0	4
	EC 201	Economics	3	0
	ENG 231	Basic Speaking Skills	3	0
	FOR 201	Wood Structure and Properties	3	0
	FOR 303	Wood Moisture Relations	0	3
	IE 224	Wood Working Equipment	0	3
	ME 101, 102	Engineering Graphics I, II	2	2
	PY 211, 212	General Physics	4	4
	MS 201, 202	Military Science		
	or	or		
	AS 221, 222	Air Science	2	2
	PE 201, 202	Physical Education	1	1
			<hr/>	<hr/>
			18	19

SUMMER CAMP

S*	FOR S204	Silviculture		2
	FOR S214	Dendrology		2
	FOR S224	Forest Mapping		2
	FOR S264	Protection and Utilization		2
	FOR S274	Mensuration		2
				<hr/>
				10

3	EC 202	Economics	3	0
	EC 315	Salesmanship	0	2
	EC 407	Business Law	0	3
	EC 411	Marketing Methods and Sales Management	3	0
		English Elective	0	3
	FOR 421	Log and Lumber Grades and Specifications	0	2
	FOR 423	Logging and Milling	3	0
	FOR 433	Gluing and Plywood	3	0
		Electives	6	8
				<hr/>
			18	18

4	EC 401	Principles of Accounting	3	0
	EC 410	Manufacturing Accounting	0	3
	EC 425, 426	Industrial Management and Personnel Management	3	3
	FOR 401	Wood Preservation	0	2

FORESTRY

		Credits	
FOR 402	Foundations of Forest Management	2	0
FOR 432	Marchandising Forest Products	2	0
FOR 441	Mechanical Properties of Wood	3	0
FOR 453	Lumber Structures	0	3
FOR 512	Forest Economics	3	0
	Electives	3	7
		<hr/>	<hr/>
		19	18

* Students with comparable experience, upon faculty approval, may substitute one additional summer's work experience for Summer Camp. After completion of 12 weeks of plant experience and presentation of a satisfactory report, three hours of academic credit will be granted.

WOOD PRODUCTS MERCHANDISING, FIELDS OF SPECIALIZATION— —

A student should select one of the following fields of specialization. Courses marked with an asterisk (*) are required. Technical electives should be scheduled from the remaining courses listed in the field of specialization.

BUILDING MATERIALS

		Credits	
CE 351*	Details of Building Construction	2	0
CE 361*	Estimates and Costs I	3	0
EC 415*	Advertising	2	or 2
EC 420	Corporation Finance	3	0
EC 432	Industrial Relations	2	or 2
EC 501	Advanced Economic Theory	0	3
EE 350	Electrical Applications in Wood Products	0	3
ENG 332*	Argumentation and Persuasion	3	0
FOR 422	Forest Products	3	0

TECHNICAL SALES AND SERVICE

CHE 205	Chemical Process Principles I	0	4
CHE 543	Technology of Plastics	0	3
EC 415*	Advertising	2	or 2
EC 420	Corporation Finance	3	0
EC 521	Office Management	3	or 3
EE 350	Electrical Applications in Wood Products	0	3
ENG 332*	Argumentation and Persuasion	3	0
FOR 422*	Forest Products	3	0
FOR 443	Wood Finishing	0	3
FOR 481	Pulping Processes	2	0
FOR 563	Quality Control	3	0
MA 211, 212*	Analytic Geometry and Calculus B, C	3	3
ME 304	Fundamentals of Heat Power	3	0
ST 361	Introduction to Statistics for Engineers	3	or 3

LUMBER AND PLYWOOD

EC 415*	Advertising	2	or 2
EC 420	Corporation Finance	3	0
EC 432	Industrial Relations	2	or 2
ENG 332*	Argumentation and Persuasion	3	0
FOR 422*	Forest Products	3	0
FOR 443	Wood Finishing	0	3
FOR 513*	Tropical Woods	0	2

GENERAL STUDIES

		Credits	
FOR 533*	Advanced Wood Structure and Identification	2	0
FOR 563*	Quality Control in Wood Products Manufacturing	3	0
ST 361*	Introduction to Statistics for Engineers	3	or 3

* Students with comparable experience, upon faculty approval, may substitute one additional summer's work experience for Summer Camp. After completion of 12 weeks of plant experience and presentation of a satisfactory report, three hours of academic credit will be granted.

SCHOOL OF GENERAL STUDIES

C. ADDISON HICKMAN, DEAN

—INTRODUCTORY

When it became the Land-Grant College of North Carolina, State College inherited a long tradition of education, calling for furnishing maximum service to all the citizens of the state. Its progress from the first, therefore, embraced the finest technical training based on the most thorough research, coupled with the humane and social studies necessary in developing individuals of the highest character and civic responsibility. From the beginning, State College, like other Land-Grant colleges, has taken as its goal this two-fold function: training men of professional and technical leadership who are at the same time men of social leadership, whole men able to live as enlightened free citizens in our democratic state.

With the consolidation of State College into the University of North Carolina in 1935, this double function was given further recognition. A Basic Division was formed which, without granting degrees in liberal arts, was to form a broad base on which all technical education was to be built. Specifically, the Basic Division was charged with instruction in the fields of humanities and social sciences, physical education and recreation, and was committed to provide the opportunities in general education necessary for a well-rounded program in all the technical fields pursued by State College students. In this, the Basic Division was in effect an integral part of all the technical schools, since it brought to bear on all students of all academic years the impact of instruction in the area of the humanities and social sciences to implement instruction in technical and professional subjects in the degree-granting Schools. That this instruction was deemed significant at State College is shown by the fact that the portion of curricular time devoted to these studies gradually increased until more than one-fourth of class instruction was done in the areas embraced by the Basic Division. Further recognition of the importance of the general education of technical students came with the action of the Board of Trustees in May, 1952, when the Basic Division was renamed the School of General Studies and placed on an equal basis with the technical schools of State College.

GENERAL STUDIES

OBJECTIVES — — — — —

The over-all objectives of the School of General Studies have become clear through the years. Its purposes are: to develop the student's communication and reading skills through the study of language and literature; to increase his understanding of the complex economic, social, political, and philosophical world in which he will live and work; to develop in him a sense of social responsibility as a scientist and technical leader in the world of technology and science; to teach him to think critically and scientifically in the social world of men as he does in the material world of his profession; to quicken his appreciation of the role played by both science and the arts in human affairs. Beyond the fundamental training in these fields as required by the technical curricula of the Schools, the School of General Studies also provides additional elective work in these areas so that each student may pursue further his own interests.

ORGANIZATION — — — — —

The School of General Studies includes the Departments of Economics, English, History and Political Science, Modern Languages, Philosophy and Religion, Physical Education, Social Studies, and Sociology and Anthropology. The Dean and the department heads constitute the Administrative Board of the School of General Studies. This Board works with the School Faculty in matters of policy and instruction.

THE DEPARTMENT OF ECONOMICS — — — — —

Professor CLARK LEE ALLEN, *Head of the Department*

Professors C. ADDISON HICKMAN, R. O. MOEN, C. B. SHULENBERGER, T. W. WOOD

Associate Professors E. A. FAILS, CLEON W. HARRELL, J. A. LYONS

Assistant Professors A. J. BARTLEY, C. D. CLARK, M. M. GAFFNEY, B. M. OLSEN, V. S. PIKNER, O. G. THOMPSON

Lecturers D. R. DIXON, J. A. LYONS

Instructors CATHERINE W. ABRUZZI, ALLISONE M. CLARKE, NEWELL B. HAM, TOM MARTINSEK

The Department of Economics seeks to help students understand the economic process, the nature and functioning of our economy, and useful approaches and methods of economic analysis. In pursuance of this end, the department has a representative offering of courses in the major fields of economic theory, applied economics, and business operation. Although most of the courses offered by the department are primarily or exclusively for undergraduate students, many courses are open to graduates, and several courses have been designed primarily for students working toward advanced degrees in the technical schools. Members of the department are also engaged in extension work, as well as in research.

THE DEPARTMENT OF ENGLISH — — — — —

Professor LODWICK HARTLEY, *Head of the Department*

Professors J. D. CLARK, A. M. FOUNTAIN, A. I. LADU, R. P. MARSHALL, J. W. SHIRLEY

Associate Professors P. H. DAVIS, H. G. KINCHELOE, E. H. PAGET, A. B. R. SHELLEY, R. G. WALSER, R. B. WYNNE, D. J. RULFS, L. H. SWAIN

Assistant Professors WILLIAM BARNHART, F. H. MOORE, P. J. RUST,
J. SUBERMAN, L. R. WHICHARD
Instructors L. H. ANTONAKOS, H. G. ELDRIDGE, JR., A. S. KNOWLES, JR.,
L. F. LADD, B. G. KOONCE, JR., JACK PORTER, G. F. PROVOST, N. G.
SMITH, HULDAH B. TURNER, P. WILLIAMS, JR., R. L. ZIMMERMAN
Visiting Professor SADIE J. HARMON

The Department of English has as its primary objective teaching the student to read, think, write, and speak clearly and effectively, an objective which it accomplishes through basic courses in composition, in speech, and in advanced writing. As a secondary aim, the department seeks to give the student an awareness of his cultural heritage and of the development of the civilization of which he is a part. This aim it attempts to achieve through courses which stress the development of Western and American thought as expressed in literature.

THE DEPARTMENT OF HISTORY AND — — — — — POLITICAL SCIENCE

Professor PRESTON W. EDSALL, *Head of the Department*
Associate Professors L. W. BARNHARDT, S. NOBLIN, P. M. RICE, L. W.
SEEGER.
Assistant Professors M. L. BROWN, JR., A. HOLTZMAN, C. F. KOLB, L. F.
REITZER
Instructor B. F. BEERS

An understanding of the historical background of our times and of political principles and governmental systems is expected of the educated man. This department, by giving specially designed courses, both elective and required, seeks to aid students in gaining this understanding. While most courses offered in history and political science are designed for undergraduates, the department offers a few graduate courses which may be built into the programs of students working for advanced degrees. It also cooperates with the College Extension Division in making selected courses available to adults who are not resident on the State College campus.

— — — THE DEPARTMENT OF MODERN LANGUAGES

Associate Professor GEORGE W. POLAND, *Head of the Department*
Associate Professor S. T. BALLENGER
Assistant Professors F. J. ALLRED, RUTH B. HALL

The Department of Modern Languages provides instruction in French, German, Spanish, and Italian, as well as special instruction in English for foreign students. It also offers courses in the literature and culture of these language areas.

The Department cooperates with graduate and research programs by offering special courses for graduate students in connection with language requirements for advanced degrees and by providing translation service. Through a special feature of instruction, graduate students enrolled in technical and scientific courses translate projects in their field of major interest. Upon satisfactory completion of these projects, the students submit them as evidence of reading ability in the particular language. The translations are then made available to interested individuals or agencies.

GENERAL STUDIES

THE DEPARTMENT OF PHILOSOPHY AND RELIGION— — —

Professor W. N. HICKS, *Head of the Department*

Associate Professor J. L. MIDDLETON

Assistant Professors P. A. BREDENBERG, W. L. HIGHFILL

Instructor W. C. FITZGERALD, JR.

The primary function of the department is to provide basic courses in religion and philosophy especially designed to serve students in the several degree-granting schools of the College—courses that are fundamental in the sense that the utility of critical inquiry and the nature of faith are stressed and related to student experience.

Creeds and metaphysical issues persist in human affairs because a sense of immediate direction in daily living, and something of rational explanation of existence, are abiding human needs.

In matters religious and philosophical, no universally acceptable final answer has yet been achieved. It is imperative, therefore, that able and systematic and free examination of creedal beliefs and metaphysical assumptions in all areas of man's life be vigorously and unceasingly continued. By this means faith can be kept vital, insidious provincialism thwarted, and the significant intellectual achievements of the past and present conserved and advanced.

The Department of Philosophy and Religion has no monopoly on these things; however, it is especially dedicated to the task of reminding, should others forget.

THE DEPARTMENT OF PHYSICAL EDUCATION — — —

Professor PAUL H. DERR, *Head of the Department*

Professor J. F. MILLER

Associate Professor W. E. SMITH

Assistant Professors J. B. EDWARDS, JR., H. KEATING, J. F. KENFIELD

Instructors H. O. FLOYD, JR., A. HOCH, W. R. LEONHARDT, J. H. LITTLE,

F. J. MURRAY, W. SONNER

The purpose of the Department of Physical Education is to make a maximum contribution to the general welfare of the student by providing programs and conditions in which he may develop and maintain physical strength and stamina, relax tensions, acquire an appreciation for the importance of healthful living, and develop knowledge and skills for recreation. The programs also provide situations in which the student may develop qualities of cooperation, leadership, and social poise.

To achieve these aims, the department serves two functions: it provides instruction and supervision for the participant in physical education in regular classes; and it offers opportunities for all students to participate in beneficial forms of physical exercise through the program in intramural athletics, which is administered by the department.

THE DEPARTMENT OF SOCIAL STUDIES— — — — —

Professor GEORGE A. GULLETTE, *Head of the Department*

Professors C. I. FOSTER, A. K. F. MCKEAN

Associate Professors E. M. HALLIDAY, J. R. LAMBERT, JR.

Assistant Professors P. A. BREDENBERG, H. COLLINS

Instructors J. L. COLE, R. N. ELLIOTT, F. R. PLACE, S. VENTURELLA

The Department of Social Studies draws its staff from the various fields of the humanities and the social sciences. It contributes to the training of men whose professional competence is devoted to the public interest by offering courses especially designed to emphasize the close interconnections that bind liberal studies to the world of science and technology.

THE DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Professor SANFORD R. WINSTON, *Head of the Department*
Associate Professor E. H. JOHNSON
Assistant Professor H. D. RAWLS
Instructor MARGERY CLARK

Courses offered by the department fall into three overlapping areas: (1) courses concerned with the general education of the student; (2) supporting courses in those curricula in which a knowledge of society and human behavior is deemed essential; and (3) courses given in conjunction with other departments which help prepare the student for rather specific types of professional activity upon graduation.

The general objective of courses in the department is to encourage the student as a citizen and as a professional person to see himself as a part of his society. It is believed that the student must understand something of the characteristics and functioning group behavior within the urban-industrial milieu of western civilization. He is shown that the human being operates within a social world which is the result of long cultural development; and he is encouraged to see his relationship within the framework of society with the result that he conceives of his behavior as a part of a larger social framework. The importance of adjustment to life is emphasized in all classroom teaching as well as in conferences on individual problems.

SCHOOL OF TEXTILES

MALCOLM E. CAMPBELL, DEAN

—INTRODUCTORY

Food, clothing, and shelter are recognized as the three basic needs of man, and as a corollary of this fact the manufacture of textiles has become one of the world's leading industries. From early beginnings as an occupation governed by tradition and rule of thumb the textile industry has advanced to a highly complex, technical stage. North Carolina has risen steadily with the growth of textiles until it now ranks first in the nation in terms of employment and manufactured products. There are at present more than 900 textile plants located throughout the state producing a variety of commodities ranging from coarse cotton yarns and fabrics to the finest of laces and wearing apparel, from experimental synthetic fibers to finished fabrics woven of these man-made yarns. The current trend indicates that constant research and the application of its results are continuing to attract more manufacturers to the state along with even more diversified phases of the textile industry.

Because of the tremendous expansion in the scope of textiles it has become necessary to utilize the talents of the chemist, the physicist, the engineer, the businessman, as well as the traditional weaver, spinner, and dyer. The field of textiles, although as old as man himself, has all

TEXTILES

the vigor of a young industry; and because it encompasses such a diversity of activity, offers limitless opportunity to a man whatever his specific interest may be.

The School of Textiles offers technical instruction, both undergraduate and graduate, in the applied sciences underlying the production and finishing of textile products. Textile research, which is an important function in its operation, supplements and supports graduate study through applied and fundamental investigations.

The purpose of the School is fourfold: to educate men and women for professional service in all phases of the textile industry; to develop their capacities for intelligent leadership; to aid in the economic development of the textile industry; and to cooperate with the textile industry in improving, through scientific research, manufacturing efficiency and the quality and value of manufactured products.

For Administration, the School of Textiles is organized into five departments:

<i>Professor</i> E. B. GROVER	FIBER AND YARN TECHNOLOGY
<i>Professor</i> W. E. SHINN	KNITTING TECHNOLOGY
<i>Professor</i> B. L. WHITTIER	FABRIC DEVELOPMENT
<i>Professor</i> H. A. RUTHERFORD	TEXTILE CHEMISTRY
<i>Professor</i> W. A. NEWELL	TEXTILE RESEARCH

Curricula

Two four-year curricula, Textile Technology and Textile Chemistry, are offered. The freshman program is identical in each. Seven options in the Textile curriculum enable a student to specialize in some particular phase of textiles. Each option includes 20 semester credits in related courses. The options, which are listed following the curriculum, are: General Textiles Technology, Textile Management, Yarn Manufacture, Weaving and Designing, Knitting, Synthetics, Quality Control.

Selected courses leading to the degree of Bachelor of Science in Textiles are offered to graduates of universities and standard colleges. These are arranged in accordance with the professional aim of the student and the credits presented. If the student presents enough acceptable credits for courses required in a curriculum, he may be graduated with a Bachelor of Science degree in Textiles in one year. It should not take more than two years plus one or two summer schools to complete work for a degree.

A minimum of 160 semester credit hours, and net quality points equivalent to the number of credit hours earned, are required for graduation.

Degrees

Upon the completion of any of the options in Textile Technology, the degree of Bachelor of Science in Textiles is conferred. Upon the completion of the curriculum in Textile Chemistry, the degree of Bachelor of Science in Textile Chemistry is conferred.

The degree of Master of Science in Textiles or of Master of Science in Textile Chemistry is offered for the satisfactory completion of one year of graduate study in residence. Candidates for the degree of Master of Science enter and are enrolled in the Graduate School of the College. For general requirements, consult The Graduate School Catalog.

FACILITIES

The Textile Building, erected in 1939 and greatly enlarged in 1950, was designed to harmonize teaching and laboratory facilities. It houses one of the most modern and best-equipped textile institutions in the world.

OPPORTUNITIES

Technological advances in textile fibers and manufacturing techniques have created a tremendous demand for men technically trained in textile colleges. For the past several years, the School of Textiles has had a demand for graduates greater than it could supply. Its graduates have entered the textile industry at salaries equal to or better than those offered in many other industries.

Graduates of the School are equipped to enter many fields related to textiles, such as manufacturing, sales, or research; and alumni of the School hold responsible positions in each of these fields. Many are now mill presidents or general managers.

Some of the specific fields available are: production of yarns, production of woven and knitted fabrics, dyeing and finishing, industrial engineering, quality control, designing, styling, merchandising, converting, research, cost and production control sales of equipment and materials to the textile industry.

To assist in the placement of students and alumni and to facilitate interviews by textile firms, the School maintains a full-time Placement Director.

INSPECTION TRIPS

For certain of the textile courses offered, it is deemed advantageous for the student to see the manufacturing process under actual operating conditions. Therefore, when possible, trips are arranged for student groups to visit outstanding manufacturing plants. When so arranged, such trips are compulsory; transportation costs and other travel expenses, while held to a minimum insofar as possible, must be paid by the student.

SHORT COURSES

It is the policy of the School to offer short course training for textile mill men who have a limited amount of time to spend at the School. These courses can be offered when a demand for them exists. The subject matter is selected to meet the needs of the group.

EXTENSION COURSES

The staff of the School cooperates with the Extension Division of the College in offering textile courses by correspondence to employees of textile mills who wish to engage in this type of study. Applications for enrollment in these courses should be mailed direct to Edward W. Ruggles, Director, College Extension Division, State College Station, Raleigh, North Carolina.

FIBER AND YARN TECHNOLOGY

Professor ELLIOT B. GROVER, *Head of the Department*

Professor D. S. HAMBY

Assistant Professors J. S. PARKER, W. E. SMITH, J. E. PARDUE

Instructor W. C. STUCKEY, JR.

Laboratory Technician BARBARA S. GAST

OBJECTIVES

The purpose of this Department is to instruct in the theory and practice of producing yarns; to conduct experimental processing in the utilization of cotton, wool, and the various synthetic fibers, and combinations of these; to study the engineering aspects of the machinery involved; and to cooperate with mills in solving manufacturing problems through research and experimentation.

FACILITIES

OPENING AND PICKING

The opening and picking equipment, located in a separate humidified laboratory, consists of two lines of equipment: a completely coordinated line consisting of blending feeders, openers, and a one-process picker, arranged to allow full scale production with by passes provided for man-made staple fibers and experimental work; and individual breaker and finisher pickers for processing samples.

TEXTILES

CARDING SECTION

A laboratory equipped for carding, combing, drawing, and related processes is located in one large humidified laboratory. The machinery consists of different types of cards, regular and controlled draft drawing, and combing machinery suitable for processing a wide range of materials from carded cotton to synthetics and wool on the cotton system.

ROVING SECTION

A complete group of roving frames, including conventional as well as controlled or long draft types is located in another laboratory.

YARN SECTION

The yarn section laboratory contains equipment for spinning, twisting, and winding. In order to conserve room and to have as many types of equipment as possible, the machinery in this section has been built in shorter-than-standard lengths, but it is complete in every other respect. Practically all industrial types of drafting are represented, both in demonstration units and operating equipment. Sample installations are available of overhead cleaning, Pneumafil, roll buffing, different types of spindles, and of many other modern developments. Included in the department also are several types of twisters and many of the standard types of winders to wind skeins, cones, dye packages, or tubes.

RESEARCH LABORATORIES

Three separate laboratories for applied research in fiber processing are located in the yarn department. These are described in the section under **Physical Testing Laboratories**.

CONTINUOUS FILAMENT LABORATORY

A laboratory completely equipped for the processing of continuous filament synthetic yarns from soaking through winding is enclosed in another separate humidified room. This laboratory has the complete range of equipment necessary for the processing of crepe, voile, and hosiery yarn and includes: soaking tub, extractor, dryer, twist-setting oven, spooler, upstroke twisters, double twister, quill winder, cone winders, and nylon sizing machine, plus supplementary equipment.

WOOL SECTION

An entirely new laboratory has been set up for the processing of wool and long-staple synthetic fibers and blends. Included in the equipment is a Davis and Furber Wool Unit, complete from machinery to handle blending through the warping of the spun yarn. A Warner and Swasey Pin Drafter has recently been added, and the addition of other modern equipment is being planned. Courses in processing wool are included in the curricula.

PHYSICAL TESTING LABORATORIES

There are three separate air-conditioned laboratories, one of which is used for teaching and undergraduate student work and another for industrial research and graduate student research. The third laboratory, which has a separate air-conditioning unit, is used for fundamental and applied research where it is necessary to have atmospheric conditions varying from the standard.

The laboratories are equipped for the physical testing of fibers, yarns, and fabrics. Included in the laboratory equipment are the following: a complete range of fiber testing equipment, two Instron Testers, several torsion and other types of balances, several combination skein and fabric breaking machines, inclined plane testers, single strand pendulum testers, Moscrop multiple single strand testers, bursting strength testers, drying ovens, abrasion machines, twist testers, densometers, hydrostatic pressure tester, automatic reels, permeability testers, evenness testers, and

many other types of laboratory equipment, including both commercial and special instruments developed at the school.

The portion in Yarn Manufacture is listed with the other options.

— — — — — KNITTING TECHNOLOGY

Professor WILLIAM E. SHINN, Head of the Department

Associate Professor J. G. LEWIS

Assistant Professor H. M. MIDDLETON, JR.

— — — — — OBJECTIVES

In recognition of the great importance of knitting and the other needle arts in the industrial life of this section, a Department of Knitting has been set up with the objective of making available to this branch of the textile industry personnel more adequately trained in the fundamentals and practices underlying the production of knitted textiles.

— — — — — FACILITIES

The laboratories of the Knitting Technology Department, organized and equipped for instruction in many phases of the knit-goods industry, are grouped as follows:

SEAMLESS HOSIERY

Equipment for instruction in seamless hosiery production includes representative types of machines arranged in two groups. The more elementary types, including ribbers and plain hosiery machines with the elementary attachments such as stripers, reverse plating and rubber top attachments, are arranged together for beginning students. The more advanced types are grouped together for advanced students. This line includes advanced rib type machines, Komets, Banner Wrap Reverse, several types of float stitch machines, and machines for the manufacture of hosiery with ornamental wrap patterns.

NYLON HOSIERY

This section is equipped with three full-fashioned hosiery knitting machines of modern types, in 45-gauge, 51-gauge, and 54-gauge respectively. There is provided also a 400-needle women's nylon hosiery machine of the circular type. This equipment forms the basis for instruction in the general course in hosiery manufacture and for the more advanced instruction in full fashioned hosiery production. Equipment for the looping and seaming of hosiery, for preboarding, dyeing, and finishing of fine hosiery is provided in separate rooms.

CIRCULAR KNITWEAR

A wide assortment of large diameter fabric knitting machines is provided for demonstration and instruction in the production of cloth for both underwear and outerwear. This group includes both latch needle and spring needle types for jersey, rib, interlock, and Jacquard fabric.

GARMENT CUTTING AND SEAMING

A laboratory for experimental garment design and manufacture has been set up with modern power cutting equipment and many types of industrial sewing machines for producing garments for both outerwear and underwear. This unit is supplemented by knit goods finishing equipment located in the hosiery and knitwear finishing laboratory.

WARP KNITTING, FLAT KNITTING

The knitting department laboratories include five warp knitting machines of the tricot and raschel types. These machines furnish the basis for instruction in the design, analysis, and production of a wide range of warp knitted fabrics. A collection of fabrics and several winding and warp preparation machines make it possible to process a wide variety of

TEXTILES

materials. Flat machines of the V-bed and links-and-links type are employed for instruction in the production of heavier knitwear such as sweaters.

KNIT GOODS FINISHING

Devoted entirely to experimental work in hosiery and knit goods finishing, this laboratory contains modern equipment for pre-boarding, dyeing and finishing machinery, a knit goods calender for finishing knitted tubing, a fabric brush, and an experimental warp sizing machine for the preparation of warp yarns for tricot knitting.

The option in Knitting Technology is listed with other options.

FABRIC DEVELOPMENT — — — — —

Professor BENJAMIN L. WHITTIER, Head of the Department

Associate Professors J. A. PORTER, JR., W. E. MOSER

Assistant Professors J. B. GAITHER, E. B. BERRY, J. W. KLIBBE

OBJECTIVES — — — — —

The purpose of this Department is to instruct students in the theory and practice of weaving and designing fabrics ranging from simple print cloths and elaborate leno and jacquard creations; to cooperate with the home economics departments of North Carolina colleges in creating consumer interest in textile products; to cooperate with mills in solving manufacturing problems through research and experimentation.

FACILITIES — — — — —

WEAVING LABORATORIES

These laboratories contain a larger variety of looms than can be found in a textile mill, carefully selected so that the student may obtain knowledge of the different looms made in the United States. On this equipment are produced all types of fabrics, including print cloths, denims, sateens, ginghams, fancy shirting, dobby weave dress and drapery materials, pile, leno, and jacquard fabrics, woven from natural and synthetic fibers. The weave room is completely humidified.

WARP PREPARATION

The equipment for preparing yarn for weaving is located in a separate department. This equipment includes a modern high speed warper and a rayon type slasher as well as auxiliary equipment such as skein, cone, and filling winders. There is also a silk type combination warper and beamer used for making short warps for student instruction. There is a separate room for drawing in warps.

DESIGNING AND FABRIC ANALYSIS

Full design board equipment for both single and double cloths is provided in the classrooms. In addition to dies for cutting samples, different makes of balances and microscopes are provided for the analysis of fabrics. Other designing equipment includes an enlarging camera, card cutting pianos, and card lacing equipment.

CLOTH INSPECTION

Separate facilities are provided where students can learn the technique of grading woven materials, using completely modern inspection equipment.

The option in Weaving and Designing is listed with the other options.

TEXTILE CHEMISTRY — — — — —

Professor HENRY A. RUTHERFORD, Head of the Department

Professor K. S. CAMPBELL

Associate Professor A. C. HAYES

Visiting Professor R. W. JACOBY

— — — — — **OBJECTIVES**

The purpose of this Department is to instruct students in the chemistry of natural and synthetic fibers, and in the theory and practice of scouring, bleaching, dyeing, finishing, and printing of yarns and fabrics; to conduct laboratory experimental work demonstrating the principles set forth in lecture periods; to cooperate with the mills of the state in solving problems relating to the wet processing of textile materials.

— — — — — **CURRICULUM**

The curriculum in Textile Chemistry is listed with the other Textile curricula. Changes in the requirements for students selecting this curriculum may be anticipated from time to time in order that the academic training may be kept abreast of modern developments in the application of chemistry to textile materials.

— — — — — **FACILITIES**

DYEING LABORATORY

This is a complete laboratory, modern in every respect, with generous provision for bench space, equipment storage facilities, utilities, and steam baths. It is used for all laboratory work dealing with chemical properties of textiles, dye synthesis, color matching, and all types of dyeing.

DYE HOUSE

In this room is assembled one of the finest groups of dyeing and finishing machinery for instructional and experimental purposes in existence anywhere. Obtained over the last three or four years at a cost of over \$150,000, the equipment includes a singeing machine, a continuous dyeing range of the pad-steam type, a Williams unit, a du Pont-type continuous bleaching unit, four package dyeing machines, a dye beck, dye jig, rotary hosiery dyeing machine, and piece goods dyeing and finishing units utilizing dry cans, and enclosed tenter frame, and a continuous loop drying and curing unit supplied with both steam and gas-fired heat sources.

MICROSCOPY

Excellent facilities are available for work in textile microscopy. The laboratory contains the most modern instruments including microscopes, cross sectioning devices, and equipment for photomicrography. In addition to the ordinary monocular microscope, binocular and polarizing types are available. The dark room contains everything needed for photographic work.

RESEARCH AND TEXTILE CHEMICAL ANALYSIS

Two laboratories equipped for chemical research on fibers and on textile chemical specialties are available for use by advanced undergraduate students working on special problems and for research. Equipment includes a reflectometer, a spectrophotometer with all supplementary apparatus, colorimeters, and the common testing equipment used for evaluation and for determining color-fastness, washfastness, etc., of dyed fibers and fabrics.

— — — — — **TEXTILE RESEARCH**

Professor WILLIAM ANDREWS NEWELL, Research Coordinator
Professor J. F. BOGDAN, Director of Processing Research
Professor H. A. RUTHERFORD, Director, Chemical Research
Professor D. M. CATES, Assistant Director, Chemical Research

— — — — — **OBJECTIVES**

Through financial assistance extended by the North Carolina Textile Foundation, a program of research has been initiated that is far-reaching in its influence on the operations and development of the textile industry in North Carolina and in the nation.

TEXTILES

The scope of this research embraces applied and fundamental investigations in the fields of fiber, yarns, fabrics, textile chemistry, fabrication, machinery.

Research is carried out by a full-time research staff, trained in the physical sciences, with the assistance of department heads and the members of the teaching staff.

FACILITIES — — — — —

Equipment for processing and chemical research is available in eight laboratories, four of which are devoted entirely to research. In addition, equipment used for instruction can also be employed if needed. Complete spinning units are available for manufacture of yarns on the cotton, woolen, and worsted systems.

The research department also carries out the training of students on both undergraduate and graduate levels by providing direct participation in the instructional program and by furnishing part-time employment to these students.

SYNTHETIC FIBERS DIVISION — — — — —

OBJECTIVES — — — — —

The purpose of this Division is to acquaint students with the various types of synthetic yarns and to instruct in the basic properties, handling methods, and conversion into representative end products of each. The Division acts in conjunction with the Knitting, Technology, Fiber and Yarn Technology, Fabric Development, Textile Chemistry, and Research Departments of the School of Textiles to provide a broad groundwork in synthetic yarn fundamentals.

FACILITIES — — — — —

Laboratories are coordinated with and are a part of the laboratories of the Departments of Fiber and Yarn Technology, Fabric Development, and Knitting Technology.

The option in Synthetics is listed with the other options.

MACHINE DESIGN AND DEVELOPMENT — — — — —

C. M. ASBILL, JR., *Head of Department*

C. E. COX, *Toolmaker*

J. C. GROFF, *Equipment Custodian*

J. C. EDWARDS, *Equipment Custodian*

OBJECTIVES — — — — —

The purposes of this department are:

To develop new types of textile machinery and to improve existing types.

To keep abreast of modern developments in machines and testing equipment by a digest of patents and technical articles in the various textile publications, as well as by close contacts with mills and machine manufacturers.

To furnish engineering assistance and advice relating to patents to individuals and organizations interested in the design or development of textile machines or related apparatus.

To place within reach of and at the disposal of interested students and the teaching and research staff of the School of Textiles the facilities of a qualified textile engineering department with means for the construction and testing of new and improved equipment.

— — — — — **FACILITIES**

The facilities consist of design and drafting equipment together with a completely equipped machine shop for the production of both large production machines and smaller and more delicate testing apparatus.

The establishment of this Department within the School of Textiles was made possible by the financial assistance of the North Carolina Textile Foundation. Its functions extend to all phases of textile manufacturing and processing, including both the mechanical and electrical fields. Patents will be secured on all worthwhile developments and administered in accordance with the Patent Policy of the College.

— — — — — **TEXTILE LIBRARY**

KATHERINE MCDIARMID, *Librarian*

As a result of a substantial gift by the Burlington Mills Corporation, the Textile Library was relocated in the Textile Building in 1951. The new, enlarged quarters were designed to incorporate the latest functional improvements.

The library was organized in 1944; in 1945 the entire textile collection from the D. H. Hill Library was added to it. There are now about 4,500 volumes, of which 2,000 are bound periodicals. The library subscribes to 120 current periodicals, both American and foreign, which are thoroughly indexed in Industrial Arts Index, Chemical Abstracts, Natural and Synthetic Fibers, and Textile Technology Digest.

In addition to books and periodicals, the librarian and student assistants maintain files of pamphlets, reprints, trade catalogs, and patents. Special card indexes have been prepared for these collections.

The holdings of the Textile Library are available on loan not only to students and faculty of the College but also to research workers and industry employees throughout North Carolina.

— — — — — **CONSULTING SERVICE**

GEORGE H. DUNLAP, *Textile Consultant*

In recognition of the need for close contact with the textile mills this division was organized with the assistance of the North Carolina Textile Foundation. It is the function of the Textile Consultant to visit as many mills as possible during the year, to discuss with executives their technical problems, and assist in their solution. In many cases this involves experimental work which may be conducted in the mill or brought to the School for consultation with the staff or for special work in the laboratories.

The Textile Consultant frequently cooperates with the officials of trade associations in planning and arranging programs and represents the School at these meetings.

— — — — — **TEXTILE PLACEMENT BUREAU**

GEORGE H. DUNLAP, *Director*

The Placement Bureau is a clearing house for students in the graduating class and for textile alumni. It is a coordinating agency for the employer and the graduates of the School of Textiles. The Placement Bureau tries to keep an accurate file of all textile alumni and the progress they have made. Therefore, all alumni are requested to notify the Director when they receive a promotion or transfer from one organization to another.

— — — — — **-SPONSORED PROFESSORSHIPS**

Four sponsored professorships are now in effect in the School of Textiles. These are made possible by funds contributed to the North Carolina Textile Foundation, Inc., and especially designated to pay a part of the annual salary of the Professor selected to fill the position.

TEXTILES

The four professorships, together with the year of establishment and the name of the incumbent for each, are as follows:

Burlington Industries Professorship of Textiles 1946.

DAME S. HAMBY, *Professor of Textiles, Department of Fiber and Yarn Technology*

Edgar and Emily Hesslein Professorship of Fabric Development 1948.

BENJAMIN LINCOLN WHITTIER, *Professor of Textiles and Head, Department of Fabric Department.*

Chester H. Roth Professorship of Knitting Technology 1948.

WILLIAM EDWARD SHINN, *Professor of Textiles and Head, Department of Knitting Technology.*

Abel C. Lineberger Professorship of Yarn Manufacturing 1948.

ELLIOTT BROWN GROVER, *Professor of Textiles and Head, Department of Fiber and Yarn Technology.*

CURRICULUM IN TEXTILE TECHNOLOGY — — — — —

FOR ALL TEXTILE STUDENTS

			Credits	
1	CH 101	General Inorganic Chemistry	4	0
	CH 103	General and Qualitative Chemistry	0	4
	ENG 111, 112	Composition	3	3
	MA 111	Algebra and Trigonometry	4	0
	MA 112	Analytical Geometry and Calculus A	0	4
	ME 101	Engineering Graphics	2	0
	PS 201	The American Governmental System	0	3
	TX 101	Yarn Principles	2	0
	TX 151	Fabric Principles	0	0
	MS 101, 102	Military Science I or		
	or*			
	AS 121, 122	Air Science I	2	2
	PE 101, 102	Physical Education*	1	1
			18	19

FOR ALL EXCEPT TEXTILE CHEMISTRY STUDENTS

2	EC 201, 202	Economics	3	3
	HI 252	The United States Since 1865	3	0
	PY 211, 212	General Physics	4	4
	TX 201	Yarn Manufacture II	4	0
	TX 241	Knitting I	0	3
	TX 251	Weaving II	3	0
	TX 261	Fabric Structure	0	3
	TX 281	Fiber Quality	0	3
	TC 201	Textile Chemistry I	0	2
	MS 201, 202	Military Science II or		
	or*			
	AS 221, 222	Air Science II	2	2
	PE 201, 202	Physical Education*	1	1
3	EC 401, 402	Principles of Accounting or		
	PSY 200, 337	Introduction to Psychology; Industrial Psy-		
	MA 211, 212	chology I or Calculus	3	3
	EC 425	Industrial Management	3	3

TEXTILES

		Credits	
EC 426	Personnel Management	0	3
	English**	3	3
TX 301	Yarn Manufacture III	0	4
TX 323	Textile Testing II	3	0
TX 341	Hosiery Manufacture	0	2
TX 351	Weaving III	3	0
TX 361	Dobby Design and Analysis I	0	3

Electives		4	4
-----------	--	---	---

* Students excused from Military or Air Science and or Physical Education will schedule equivalent credits in courses from the following departments: Economics, Psychology, Rural Sociology, Social Studies, or Sociology.

** If approved in advance by the Director of Instruction, students who average C or above on Composition, Eng. 111, 112, may substitute 6 credits of Modern Language, English, History and Political Science, Modern Languages, Philosophy and Religion.

4	TX 483	Textile Cost Methods***	2	0
	TX 484	Mill Organization	0	3
	TX 581	Instrumentation and Control	3	0
	TC 301, 302	Textile Chemistry II	3	3
	TX 425	Textile Microscopy	0	1
		Selected Option:		
		(20 credits in General Textiles, Textile Management, Yarn Manufacturing, Weaving and Designing, Knitting Technology, Synthetics or Quality Control) See Options	10	10
		Electives	3	3
			21	20

*** Students in Management Option will substitute an approved textile course.

GENERAL TEXTILES OPTION			OPTIONS	
TX 373	Fabric Technology		0	2
TX 401	Yarn Manufacture IV		4	0
TX 411	Wool Manufacture		0	3
TX 431	Synthetics I		2	0
TX 451	Weaving Laboratory IV		1	0
TX 461	Dobby Design and Analysis II		3	0
	Textile Courses****		0	5
			10	10

TEXTILE MANAGEMENT

EC 411, 412	Marketing Methods and Sales Management	3	3
EC 504, 505	Principles of Cost Accounting	3	3
	Textile Courses****	4	4
		10	10

YARN MANUFACTURE

TX 401	Yarn Manufacture IV	4	0
TX 402	Mill Technology	0	3
TX 411	Wool Manufacture	0	3
TX 431	Synthetics I	2	0
TX 435	Synthetic Fiber Processing	0	4
	Textile Courses****	4	0
		10	10

TEXTILES

WEAVING AND DESIGNING

		Credits	
TX 373	Fabric Technology	2	0
TX 431	Synthetics I	2	0
TX 451, 452	Weaving IV, V	1	2
TX 461	Dobby Design and Analysis II	3	0
TX 561	Dobby Design and Analysis III	0	2
TX 562	Jacquard Design and Weaving	0	3
	Textile Courses****	2	3
		<hr/>	<hr/>
		10	10

KNITTING TECHNOLOGY OPTION

TX 343	Knitted Fabric Design and Analysis	2	0
TX 441	Flat Knitting	3	0
TX 443	Knitting Mechanics	3	0
TX 444	Garment Manufacture	0	3
TX 445	Full Fashioned Hosiery Manufacture	0	2
TX 447, 448	Knitting Laboratory II	2	2
TX 449	Tricot Knitting	0	3
		<hr/>	<hr/>
		10	10

SYNTHETICS OPTION

TX 402	Mill Technology	0	3
TX 433	Synthetics II	4	0
TX 435	Synthetic Fiber Processing	0	4
TX 476	Synthetics III	0	3
TC 421	Fabric Finishing I	2	0
	Textile Courses****	4	0
		<hr/>	<hr/>
		10	10

QUALITY CONTROL OPTION

ST 361	Introduction to Statistics for Engineers	3	0
TX 424	Development Project	0	2
TX 521	Testing and Quality Control	4	0
TX 522	Textile Testing III	3	4
	Textile Courses****	3	4
		<hr/>	<hr/>
		10	10

**** Calculus 211, 212 may be substituted for elective courses.

CURRICULUM IN TEXTILE CHEMISTRY — — — — —

The freshman year is the same as for the Textile Curriculum*

		Credits	
2	CH 211, 212	Quantitative Analysis	4 4
	HI 252	The United States Since 1865	3 0
	MA 211, 212	Calculus	3 3
	PY 211, 212	General Physics	4 4
		English Elective	3 0
	TX 261	Fabric Structure	0 3
	TX 284	Textile Processing	4 0
	MS 201, 202**	Military Science	
	or	or	
	AS 221, 222	Air Science	2 2
	PE 201, 202	Physical Education	1 1
		<hr/>	<hr/>
		24	17

			Credits	
3	CH 421, 422	Organic Chemistry	5	5
	EC 201, 202	Economics	3	3
	ENG 321	Scientific Writing	3	0
	ENG 231	Basic Speaking Skills	0	3
	TX 321	Textile Testing I	3	0
	TC 303, 304	Textile Chemistry III	4	4
	TX 425	Textile Microscopy	0	1
		Electives	3	5
			<hr/> 21	<hr/> 21
4	EC 425	Industrial Management	3	0
	EC 426	Personnel Management	0	3
	TX 581	Instrumentation and Control	3	0
	TC 403, 404	Textile Chemistry IV	4	4
	TC 423	Fabric Finishing II	3	0
	TC 431	Textile Printing	0	3
	TC 511, 512	Chemistry of Fibers	2	2
		Physical Science, Mathematics or		
		Textile Courses	3	4
		Electives	3	3
			<hr/> 21	<hr/> 19

* Except that PS 201 replaces the second semester of Engineering Drawing (ME 102).

** Students excused from Military or Air Science and/or Physical Education will schedule equivalent credits in courses from the following departments: Economics, English, History and Political Science, Modern Languages, Philosophy and Religion, Psychology, Rural Sociology, Social Studies, or Sociology.

THE GRADUATE SCHOOL OF THE UNIVERSITY OF NORTH CAROLINA

STATE COLLEGE DIVISION

WILLIAM WHATLEY PIERSON, JR., *Dean, Chapel Hill*

DONALD BENTON ANDERSON, *Associate Dean, Raleigh (on leave 1956-57)*

WALTER J. PETERSON, *Acting Associate Dean, Raleigh (1956-57)*

The Graduate School of the Consolidated University of North Carolina is composed of three divisions, one at each of the three units of the University System. It is administered by the Graduate Dean, the three Associate Deans, and a Graduate Council composed of representatives of each of the units.

At State College, graduate instruction is offered in the fields of Agriculture, Engineering, Forestry, Technological Education, and Textiles. The degree of Master of Science is offered in each of these areas. The Professional Master's Degree also offered in some of these fields is intended for students who are interested in the more advanced applications of fundamental principles to specialized fields rather than in the acquisition of the broader background in advanced scientific studies which would fit them for careers in research.

COLLEGE EXTENSION

The degree of Doctor of Philosophy is offered in the following fields of study:

Agricultural Economics
Animal Industry
Botany (in the fields of physiology and ecology)
Ceramic Engineering
Chemical Engineering
Electrical Engineering
Engineering Physics
Entomology
Experimental Statistics
Field Crops
Forestry
Genetics
Nuclear Engineering
Plant Pathology
Rural Sociology
Soils
Zoology (in the fields of ecology and wildlife management)

Students interested in graduate study should consult the Graduate School catalog. A copy will be sent upon request. Inquiries should be addressed to:

Associate Dean, GRADUATE SCHOOL, North Carolina State College, Raleigh, North Carolina.

COLLEGE EXTENSION DIVISION

EDWARD W. RUGGLES, *Director*

OBJECTIVES — — — — —

The College Extension Division is organized to carry the practical and cultural advantages of college studies to persons who cannot attend classes on the campus, and to groups and communities which may profit by the services offered.

SERVICES — — — — —

Extension courses are organized where at least fifteen persons are interested and are willing to take up the same subject. In setting up the courses, such matters as distance from the college, nature of the subject, and availability of instructors must be taken into consideration.

Correspondence courses for college credit are offered in Psychology, Animal Husbandry, Horticulture, Poultry, Agricultural Economics, Rural Sociology, Education, Economics, English, Geology, History, Architecture, Ceramic Engineering, Industrial Engineering, Mechanical Engineering, Mathematics, Modern Languages, Sociology, Statistics, Social Studies, Safety. The list is being steadily increased.

Correspondence courses which do not carry credit and which are designed to stress practical application of the subject matter offered are provided in Mathematics, Land Surveying, Engineering Drawing, Building and Estimating, Industrial Statistics and Quality Control, Poultry, Vegetable Gardening, and Ceramic Engineering.

Short courses of a practical nature are offered every year by the Division to link the facilities of the several Schools at State College with the trades and industries of North Carolina in a permanent educational

program. These short courses are increasing in popularity. During the present school year the following short courses and institutes are scheduled:

Electrical Meters Engineers, Surveyors, Gas-Plant Operators, Dry Kiln Operators, Beef Cattle Conference, Dairy Conference, Statistical Quality Control, Furniture Finishing, Sawmill Operators, Grain Marketing, Farm Income Tax, Salt Water Sports Fishing Institute, Pest Control Operators, Water Works School, Industrial Waste Conference Personnel Testing Institute, Industrial Management, Industrial Safety, Motion and Time Study, Job Evaluation, Introduction to Quality Control, Industrial Relations, Seedmen's Schools, Pesticide School, Farm Managers, Freezer Locker Operators, Cotton Classing, Lumber Grading, Aerial Photo Interpretation, Commercial Flower Growers School, Beef Production, State Garden Schools, Dairy Production, Dairy Manufacturing, Nurserymen's School, Artificial Breeding, Field Crops Production, Dairy Herd Testing, Radio, Nutrition School, Fresh Water Sports Fishing Institute, Retail Building Supply Marketing Institute, Quality Concrete Conference, Personnel Testing Institute—Introductory and Advanced, Interviewing and Counseling, Management Psychology, Personnel Research, N. C. Press Association Mechanical Conference, Industry Research Conference, Brick and Tile Institute, and a Safety School. Additional courses are offered as the demand arises.

The Gaston Technical Institute at Gastonia, N. C., offers four one-year terminal technical courses; Radio and Television Technology, Electrical Technology, Internal Combustion Engines (gasoline-Diesel), and Automotive Technology. These courses are designed to train young men interested in the electrical, radio, telephone, metal working, wood-working, sheet metal, building, automotive, Diesel, heating and other industries where technical training is essential to success. The Institute, a functional part of North Carolina State College, is operated by the Division of College Extension under the auspices of the School of Engineering. A special catalog is available upon request.

The North Carolina Driver Training School is conducted by the Division in cooperation with the School of Engineering. Drivers and driver training instructors for the Motor Transport Industry are trained in this school. A bulletin giving complete information concerning the school and its functions is available.

For additional information, any person interested in extension classes, correspondence courses, or any of the various functions of the Division may secure bulletins by writing to EDWARD W. RUGGLES, *Division of College Extension*, North Carolina State College, Raleigh, North Carolina.

MILITARY TRAINING

— DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Professor of Military Science and Tactics COL. R. R. MIDDLEBROOKS

Assistant Professors of Military Science and Tactics LT. COL. JOSEPH A. MCCULLOCH, LT. COL. BASIL I. MISHTOWT, MAJOR VERNON B. DRUM, MAJOR JAMES B. LYON, MAJOR WILLIAM J. RIECK, JR., MAJOR TYRUS R. SPINELLA, CAPT. ROBERT A. TOLAR, CAPT. EDWARD B. TURNER, JR., and CAPT. WILLIAM A. WHICHARD.

— DEPARTMENT OF AIR SCIENCE

Professor of Air Science COL. J. F. RISHER, JR.

Assistant Professors of Air Science LT. COL. S. G. AGNEW, MAJOR H. B. MCCULLOUGH, MAJOR N. S. HAYS, CAPT. V. L. NUNENKAMP, CAPT. Q. M. LEWIS, CAPT. J. R. OSBORN, CAPT. G. P. MCSWEENEY, 1ST LT. H. R. SELFRIDGE

MILITARY TRAINING

OBJECTIVES — — — — —

The Reserve Officers' Training Corps (ROTC) at State College designates those students enrolled for training in the Department of Military Science and Tactics or in the Department of Air Science. These Departments are integral academic and administrative subdivisions of the institution. The senior Army officer and the senior Air Force officer assigned to the College are designated as Professor of Military Science and Tactics (PMST) and Professor of Air Science (PAS), respectively. These senior officers are responsible to the Secretary of the Army, the Secretary of the Air Force, and the Chancellor of the College for conducting their training and academic program in accordance with instructions issued by the respective secretaries and as required by college regulations. Army officers who are assigned to the College as instructors in ROTC are designated as Assistant Professors of Military Science and Tactics; Air Force officers, as Assistant Professors of Air Science. Non-commissioned officers of the Army are assigned as assistant instructors and administrative personnel. Non-commissioned officers of the Air Force are assigned as administrative and supply personnel.

The Army ROTC, in four years of military training, produces junior officers who have the qualities and attributes essential to their progressive and continued development as officers of the United States Army.

The mission of the Air Force ROTC, as defined by the Department of the Air Force, is to select and prepare students, through a permanent program of instruction at civilian educational institutions, to serve as officers in the regular and reserve components of the United States Air Force and to assist in discharging, where necessary, any institutional obligations to offer instruction in military training.

COURSES OF INSTRUCTION — — — — —

Programs of instruction for both Army and Air Force ROTC consist of a two-year basic course and a two-year advanced course. The satisfactory completion of the basic course in either the Army or Air Force ROTC is required for all physically fit male freshmen and sophomores unless they are excused by the College Administration.* A detailed description of all military courses is given under each of the departments in the section of the Catalog which lists Course Descriptions.

MILITARY SCIENCE AND TACTICS — — — — —

The satisfactory completion of the first year of the Army ROTC course is a prerequisite to entering the second year. Enrollment in advanced courses is elective on the part of the student. The selection of advanced course students is made from applicants who are physically qualified and who have above average academic and military records. Veterans who have one year or more of service in the Armed Forces are eligible for enrollment in the Army ROTC Advanced Course upon reaching their junior year, provided they are in good academic standing, physically qualified, have not reached their 27th birthday and are selected by the PMST and the Chancellor. Normally no veteran will be selected by the PMST unless he has satisfactorily completed a minimum of one semester of the second year basic course.

The Army ROTC course includes instruction in American Military History, Map Reading, Leadership, Military Teaching Methods, Military Administration, Operations and Logistics. These subjects not only prepare students to be officers in the United States Army, but also awaken in them an appreciation of the obligations of citizenship and secure for them personal benefits resulting from practical application of organization and responsible leadership.

* All veterans in active service as long as six months are excused from this requirement, but may enroll in the basic course of Army or Air Force to qualify for later enrollment in advanced courses.

MILITARY TRAINING

AIR SCIENCE

Enrollment in the Air Force ROTC advanced course is elective on the part of the student. Selection of advanced course students is made from applicants who are physically qualified and who have above average academic and military records. Qualified veterans desiring a commission through the AF ROTC will be required to take that portion of the basic course, with their non-veteran contemporaries, which remains before they are classified as academic juniors. All veterans must have completed their academic and military requirements prior to their 28th birthday.

The Air Force ROTC course of study includes instruction in Global Geography, International Tensions and Security Organizations, Instruments of National Military Security, Problem Solving Techniques, Principles of Leadership and Management, and Applied Air Science in addition to other applicable subjects. The Air Force ROTC curriculum is designed to prepare the student for his obligations of citizenship to his country both as an officer in the United States Air Force and as a civilian.

UNIFORMS AND EQUIPMENT

Officer's type uniforms for students enrolled in both basic and advanced courses in Army ROTC are provided by the Federal Government. Students enrolled in the basic course in Air Force ROTC are provided Air Force type uniforms; for students enrolled in advanced courses in both Army and Air Force ROTC the college is furnished a monetary allowance by the Federal Government for the purchase of uniforms. Army and Air Force equipment for instruction of students is provided by the Federal Government. Both uniforms and equipment are issued to the College, which is accountable for their care and use.

CREDIT

Credit is allowed for work at other institutions having an ROTC Unit established in accordance with the provisions of the National Defense Act and regulations governing the ROTC. Record of a student's prior training in the ROTC is obtained from the institution concerned.

FINANCIAL AID

Students enrolled in the advanced course are paid a monetary allowance in lieu of subsistence at the daily rate equal to the value of the commuted ration (\$0.90) for a total period not to exceed 595 days during the two years of the course. Students in the basic course receive no monetary allowance.

ORGANIZATION OF THE ROTC

ARMY

The Army ROTC Unit at State College consists of an Army regiment and a Drum and Bugle Corps. The Army regiment, commanded by a cadet colonel and staff, consists of a Headquarters Company and three battalions. The cadet colonel and all other cadet officers are selected from students enrolled in the second year advanced course. Cadet first sergeants and sergeants first class are appointed from students enrolled in the first year advanced course. Certain specially selected students in the second year basic course are also appointed as cadet non-commissioned officers. Cadet officers and non-commissioned officers obtain invaluable experience in leadership by being responsible for conducting all drill

MILITARY TRAINING

instruction. They are observed and supervised in this by the officers and non-commissioned officers of the Army assigned to the College.

AIR FORCE — — — — —

The Air Force ROTC unit consists of an Air Force Wing and a Drill Team. The Air Force ROTC Wing, commanded by a cadet colonel, consists of three groups, which are composed of four squadrons each. These squadrons are divided into three flights per squadron, each flight consisting of three squads. The wing, group, squadron, and flight commander and their staffs are cadet commissioned officers, and are selected from cadets enrolled in the second year advanced course. All other positions are held by cadet non-commissioned officers, who are selected from the first year advanced and second year basic cadets. Cadet officers and non-commissioned officers obtain invaluable experience in leadership by being responsible for planning and conducting all drill instruction. They are observed and supervised by the officers and airmen assigned to the College.

DISTINGUISHED MILITARY STUDENTS — — — — —

The College is authorized to designate outstanding students of the ROTC as Distinguished Military Students. These Students may, upon graduation, be designated Distinguished Military Graduates and may be selected for commissions in the regular Army, provided they so desire. Distinguished Military Graduates are not selected for commissions in the regular Air Force, but may apply for a regular commission after serving on active duty for twelve months.

SELECTIVE SERVICE IN RELATION TO THE ROTC — — — — —

Enrollment in the ROTC does not in itself defer a student from induction and service under the Universal Military Training and Service Act. The law provides that "within such numbers as may be prescribed by the Secretary of Defense, any person who (A) has been or may hereafter be selected for enrollment or continuance in the senior division, Reserve Officers' Training Corps, or the Air Force Reserve Officers' Training Corps, or the Naval Reserve Officers' Training Corps; (B) agrees, in writing, to accept a commission, if tendered, and to serve, subject to order of the Secretary of the Military Department having jurisdiction over him, not less than two years on active duty after receipt of a commission; and (C) agrees to remain a member of a regular or reserve component until the eighth anniversary of the receipt of a commission in accordance with his obligation under subsection (d) of section 4 of this title, shall be deferred from induction under this title after completion or termination of the course of instruction and so long as he continues in a regular or reserve status upon being commissioned, but shall not be exempt from registration."

We have magnified results rather than methods of instruction, the use of knowledge rather than its mere acquisition, and the value of our students (alumni) to themselves and to our State rather than the cost of the college's equipment and the greatness of its faculty.

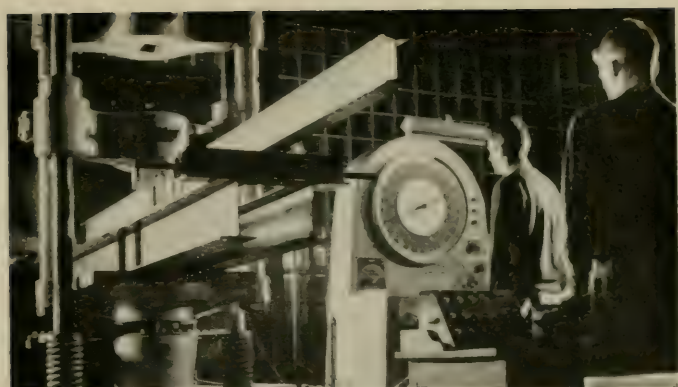
Wallace Carl Riddick
President, 1916-1923

Our aim shall be to combine more completely our natural and human resources, to improve and simplify the machinery of life, and especially to discover and magnify the elements of worth in our students and stimulate a genuine passion for right living. Such a high aim realized will give a greater commonwealth and make certain a greater State College.

Eugene Clyde Brooks
President, 1923-1934



GARDNER HALL RAMP TO THE GREENHOUSES



IN RANGE



FROM AGRICULTURE TO TEXTILES

IV. DESCRIPTIONS OF COURSES

Alphabetically	Pages
A through B	172-184
C through D	184-199
E through F	199-222
G through H	222-231
I through L	231-242
M through O	242-258
P through R	258-273
S through Z	274-290

AGRICULTURAL ECONOMICS — — — — —

COURSES FOR UNDERGRADUATES

Credits and
Terms Offered

AGC 212 ECONOMICS OF AGRICULTURE

3 (3-0) f s

Prerequisite: EC 201

An introduction to the economic principles underlying agricultural production; production organization in agriculture; supply of resources to farmers; the relationships between agriculture and the rest of the economy; dynamic factors in the economy as they affect agriculture.

Staff

AGC 303 FARM MANAGEMENT I

3 (2-2) f s

Prerequisite: AGC 212

This course is designed to help students understand how basic economic principles can be applied in the successful operation of a farm. The course will include practice in the development of farm plans with special emphasis on how to deal with major problems involved in operating a successful farm business.

Mr. Pierce

AGC 311 MARKETING AGRICULTURAL PRODUCTS

3 (2-3) f

Prerequisite: AGC 212

Marketing from the viewpoint of the farmer; relation of demand and supply characteristics of farm products to marketing problems; factors influencing efficiency in the production of marketing services.

Mr. King

AGC 322 AGRICULTURAL COOPERATION

2 (2-0) f

Prerequisite: AGC 212

A study of the cooperative business method; principles of cooperation applied to farmers' purchasing, marketing, and service cooperatives; the role of cooperatives in our society, and problems associated with their organization, operation and management.

Mr. Homme

AGC 342 MARKETING FIELD CROPS

3 (2-3) s

Prerequisite: AGC 212

A course in agricultural marketing in which principles and theories are taught through practical application to cotton, tobacco; and grain marketing processes; the marketing problems and practices and price-making forces affecting each of these commodities.

Mr. Martin

AGC 362 MARKETING DAIRY PRODUCTS

3 (3-0) s

Prerequisite: AGC 212

Economic problems of assembly, processing, distribution, and consumption of dairy products; fluid milk marketing problems of the South; marketing systems, cost factors, pricing and government regulations.

Mr. Homme

AGC 364 MARKETING FRUITS AND VEGETABLES

3 (2-3) s

Prerequisite: AGC 212

Introduction to marketing with illustrations and particular application to fruits and vegetables; buying and selling decisions faced by farmers; supply and demand characteristics of principal fruits and vegetables; the organization of markets and methods of marketing; price and price discrimination; relation of processing industries to marketing; the role of government in the marketing of fruits and vegetables.

Mr. King

AGC 372 MARKETING LIVESTOCK

3 (3-0) f

Prerequisite: AGC 212

An introductory course in the economic aspects of marketing. This course will be devoted to a study of the market-price mechanism in order to give the student an understanding of the functions performed by the market. Special attention will be given to the manner in which market organization and marketing margins are determined with emphasis upon the organization of the livestock marketing industry. (offered even years only, beginning 1956)

Mr. Williamson

AGC 405 AGRICULTURAL LAW

3 (3-0) f

Prerequisite: AGC 212

Provisions of common law and statutory law pertaining to land tenure, farm tenancy, employment of farm labor, buying and selling of farm products; consequences of legal provisions upon farm organization and production, and upon market outlets for farm products.

Mr. Lindsey and Staff

COURSES FOR ADVANCED UNDERGRADUATES**AGC 413 FARM AND APPRAISAL AND FINANCE****3 (2-3) s**

Prerequisite: AGC 303

The principles of farm appraisal and practical methods used in determining the value of farms of various types and sizes; credit financing in agriculture, including (1) types, sources, and cost of credit; (2) repayment plans; (3) methods of determining when and how credit can be used effectively by farmers; special problems associated with agricultural credit.

AGC 431 INTRODUCTION TO AGRICULTURAL PRICES

Mr. James

3 (3-0) f

Prerequisite: AGC 212

This is an introductory course in agricultural price behavior. Emphasis is placed on the interpretation of price information as guides for decisions of producers and consumers. The course includes a study of factors affecting prices of farm products, reasons for the fluctuation of prices in different areas and over different periods of time, and some elementary methods of price analysis.

Mr. Pierce

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES**AGC 501 INTERMEDIATE AGRICULTURAL ECONOMIC THEORY****3 (3-0) s**

Prerequisite: AGC 212, or consent of instructor

This course will deal with the functions of an economic system; theories of demand and utility; costs and production; competitive and monopolistic pricing; income distribution. (Advanced students outside Agricultural Economics may use this course to prepare for specialized graduate courses in Agricultural Economics, Econometrics, or Economics.)

Staff

AGC 512 LAND ECONOMICS**3 (3-0) f**

Prerequisite: AGC 212

The importance of land in past and present societies; the significance of land as a factor of production in the modern market economy; land resources, their use, and the conservation problem in the United States; the institutional setting: tenure, tenancy and the family farm in the United States and other countries; land policies: background and problems in Western countries and in under-developed areas of the world.

Mr. Toussaint

AGC 521 ECONOMICS OF AGRICULTURAL MARKETING**3 (3-0) s**

Prerequisite: AGC 311, or commodity marketing course

A study of marketing firms as producers of marketing services and their role in the price-making mechanism, from the viewpoint of attempts to increase the efficiency of marketing through research.

Mr. King

AGC 523 FARM MANAGEMENT II**3 (2-2) s**

Prerequisite: AGC 303

The application of economic principles in the solution of production problems on typical farms in the state; methods and techniques of economic analysis of the farm business; application of research findings to production decisions; development of area agricultural programs.

Mr. Lindsey

AGC 533 AGRICULTURAL POLICY**3 (3-0) s**

Prerequisite: AGC 212

The agricultural policy and action programs of the Federal government in their economic and political setting; analysis of objectives, principal means, and observable results under short-term and long-term viewpoints and under the criteria of resource use and income distribution, within agriculture, and between agriculture and the rest of the economy; criticism and alternative policy proposals; the effects of commodity support programs on domestic and foreign consumption, and the international aspects of United States agricultural policy; the attempts at work market regulation, and the role of international organizations, agreements, and programs.

Staff

AGC 551 AGRICULTURAL PRODUCTION ECONOMICS**3 (3-0) f**

Prerequisite: AGC 212

Description of the conditions affecting economic decisions concerning whether to farm, what to produce, what methods to use in production, and how much of each commodity to produce; application of the conditions of profit maximization in farm planning; factors determining the distribution of income to and within agriculture and the transfer of resources between agriculture and other industries.

Mr. Bishop

AGC 552 CONSUMPTION, DISTRIBUTION AND PRICES IN AGRICULTURE**3 (3-0) s**

Prerequisite: AGC 212

Basis for family decisions concerning consumption of goods and services and supply of productive factors; forces determining prices and incomes; interrelationships between economic decisions of the household and the firm.

Mr. Martin

AGRICULTURAL ECONOMICS

AGC 561 SEMINAR IN CONTEMPORARY AGRICULTURAL PROBLEMS Maximum of 6

Prerequisite: Graduate standing and consent of the instructor

Analysis of economic problems of current interest in agriculture, leading to a scientific appraisal of particular problems, and of alternative solutions to such problems.

Staff

COURSES FOR GRADUATES ONLY

AGC 602 MONETARY AND FISCAL POLICIES IN RELATION TO AGRICULTURE 3 (3-0) f

Prerequisite or corequisite: AGC 501, or equivalent

The essentials of monetary theory necessary in interpreting and evaluating monetary and fiscal operations and policies as to their effect upon income, employment, and price level; the monetary and fiscal structure and the mechanics of monetary and fiscal operations in the United States; and the relation of monetary and fiscal policies to agricultural income and prices.

Mr. Tolley or Mr. Williamson

AGC 611 WAGE, PRICE, AND PRODUCTION POLICIES IN RELATION TO AGRICULTURE

3 (3-0) s

Prerequisite: AGC 602

Theories of wages and employment, collective bargaining, and wage differentials; industrial organization in the economy; integration, price and production policies; costs and prices in the cycle, and government policies and workable competition; direct and indirect effects of labor and monopoly policies upon the employment of resources, national income and its distribution, price levels, wages, interest rates, and upon economic magnitudes in agriculture.

Mr. Martin

AGC 612 INTERNATIONAL TRADE IN RELATION TO AGRICULTURE

3 (3-0) s

Prerequisite: AGC 602

The principles of international and interregional trade; structures of trade relationships between countries engaged in the import or export of agricultural products; attempts at stabilizing trade and financial transactions.

Staff

AGC 621 RESEARCH IN AGRICULTURAL ECONOMICS

Credits by Arrangement

Prerequisites: Graduate standing in Agricultural Economics, and consent of Graduate Advisory Committee

A consideration of research methods and procedures now being employed by research workers in the field of agricultural economics, including qualitative and quantitative, inductive and deductive methods of research procedure; choice of projects, planning, and execution of the research project.

Staff

AGC 631 ECONOMIC AND SOCIAL FOUNDATIONS OF AGRICULTURAL POLICY

3 (3-0) s

Prerequisite: Consent of instructor

With respect to agricultural policies and programs, the objectives of this program of study are to construct a logical framework for and to examine problems likely to be encountered in empirical endeavor in any analysis of policy-making processes; interdependencies among economic, political, and social objectives and action; to study the forces which shape economic institutions and social objectives as well as to determine and examine critically the logic, beliefs, and values on which particular policies and programs are founded.

Mr. McPherson

AGC 632 WELFARE EFFECTS OF AGRICULTURAL POLICIES AND PROGRAMS 3 (3-0) f

Prerequisites: AGC 642

Descriptions of the conditions defining optimal resource allocation; application of the conditions for maximum welfare in appraisal of economic policies and programs affecting resource allocation, income distribution, and economic development of agriculture.

Mr. Bishop

AGC 641 ECONOMICS OF PRODUCTION, SUPPLY AND MARKET INTERDEPENDENCY

3 (3-0) f

Prerequisite or corequisite: AGC 501, or equivalent

An advanced study in the logic of and empirical inquiry with regard to: producer behavior and choice among combinations of factors and kinds and quantities of output; aggregative consequences of individuals' and firms' decisions in terms of product supply and factor demand; factor markets and income distribution; general interdependency among economic variables of any economy.

Mr. Williamson

AGRICULTURAL EDUCATION

AGC 642 ECONOMICS OF CONSUMPTION, DEMAND, AND MARKET INTERDEPENDENCY

3 (3-0) s

Prerequisite: AGC 641

An advanced theory of, and research into, household behavior; aggregative consequences of household decisions concerning factor supply and product demand; pricing and income distribution; economic equilibrium.

Mr. King

AGC 651 (ST 651) ECONOMETRIC METHODS I

3 (3-0) f

Prerequisites: ST 514; 521; AGC 641 and 642

Decision making under uncertainty. Stochastic elements in economic theories. Problems of model construction. Special techniques for analyzing simultaneous economic relations. Staff

AGC 652 (ST 652) ECONOMETRIC METHODS II

3 (3-0) s

Prerequisites: ST 514; 522; AGC 641 and 642

Basic concepts of estimation and tests of significance as applied to economic data. Empirical sampling methods. Non-parametric methods; sequential testing. Extension of least squares methods to research in economics; production surfaces. Special topics in variance components and mixed models. Use of experimental designs in economic research. Elements of multivariate analysis. Techniques for analysis of time series.

Mr. Anderson

AGC 671 ANALYSIS OF ECONOMIC DEVELOPMENT IN AGRICULTURE

3 (3-0) f

Prerequisite: AGC 642

A theoretical framework for analysis of the causal forces and the structural interdependencies under conditions of economic change; major problems likely to be encountered in empirical endeavor.

Mr. McPherson

AGRICULTURAL EDUCATION

COURSES FOR UNDERGRADUATES

ED 101—AED I INTRODUCTION TO AGRICULTURAL EDUCATION

1 (1-0) f

A study of the job ahead, in college and as a teacher of vocational agriculture; present program in North Carolina.

ED 102—AED II OBJECTIVES IN VOCATIONAL AGRICULTURE

1 (1-0) s

Purpose of vocational agriculture in the school program. Relation of objectives and evaluation. Financing vocational agriculture. Emphasis on the local school community as a setting for a program of vocational agriculture. Advantages of being a part of the public school.

ED 201—AED III FFA IN VOCATIONAL AGRICULTURE

1 (1-0) f s

Purposes of Future Farmers of America (FFA) in vocational agriculture. Relationship of FFA to supervised farming program. Developing leadership through FFA.

ED 313 ORGANIZING PROGRAMS OF VOCATIONAL AGRICULTURE

3 (3-0) s

Essentials of an effective program of vocational agriculture. Developing the program in the local community. Role of the teacher in developing the local program.

ED 411 STUDENT TEACHING IN AGRICULTURE

6 (3-12) f

The first seven weeks will be on campus; thereafter in selected schools. These schools will be selected and assigned, then visited by the students. Using the program in his selected school as a guide, the student will study methods of teaching vocational agriculture, including techniques of teaching, selecting and using reference materials, supplies, equipment and visual aids; organizing and conducting farming programs, FFA adult and young farmer classes and other phases of the vocational agriculture program. The student will plan effectively for student teaching in his selected school.

For the remainder of the semester, the student lives in his selected community. He takes part, and gets experience, in all phases of the vocational agriculture program. His student teaching is supervised by members of the staff in Agricultural Education and the local vocational agriculture teacher.

Note: 1. A student must have a "C" average at the time he registers for this course.

2. **Summer Practice**—During the summer prior to the year in which students register for Student Teaching, they will spend two weeks in a vocational agriculture department. It is recommended that one week be before the fall school term begins and the other week immediately following the opening of the school term.

AGRICULTURAL EDUCATION

ED 412 TEACHING ADULTS

2 (1-2) f

Principles of effective teaching applied to adult and young farmers. Experience in organizing and conducting groups for discussion of local problems.

ED 413 DEVELOPING AND USING TEACHING MATERIALS

2 (1-2) f

Developing and using teaching materials for more effective instruction. Experience in this area with adult and high school classes.

ED 430 SENIOR SEMINAR

1 (1-0) s

Prerequisite: ED 411

An analysis of the job of the teacher of vocational agriculture with particular emphasis upon current problems.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ED 554 PLANNING PROGRAMS OF VOCATIONAL AGRICULTURE

3 (3-0) f s

Consideration of the community as a unit for planning programs in agricultural education; objectives and evaluation of community programs; use of advisory groups; school and community relationships; organization of the department and use of facilities.

ED 558 SPECIAL PROBLEMS IN TEACHING

3 (3-0) f s

Opportunities for students to study particular problems in teaching under the guidance of the staff. (Maximum of 6 credits)

ED 563 EFFECTIVE TEACHING

3 (3-0) f s

Analysis of the teaching-learning process; assumptions that underlie course approaches; identifying problems of importance; problem solution for effective learning; relationship of learning and doing; responsibility for learning evaluation of teaching and learning; making specific plans for effective teaching.

ED 568 ADULT EDUCATION IN AGRICULTURE

3 (3-0) f s

Designed to meet the needs of teachers as leaders in adult education. More emphasis is being given to working with adults as part of the community program of vo-ag. This course will give the teacher an opportunity to study some of the basic problems and values in working with adult groups. Particular attention will be given to the problem of fitting the educational program for adults into the high school program of vo-ag, as well as to methods of teaching adults.

COURSES FOR GRADUATES ONLY

ED 616 ADVANCED PROBLEMS IN TEACHING

3 (3-0) f s

Prerequisite: Advanced graduate standing

Group and individual study in current and advanced problems in the teaching and administration; evaluation of procedures and consideration for improving. (Maximum of 6 credits)

ED 617 PHILOSOPHY OF AGRICULTURAL EDUCATION

3 (3-0) f s

An examination of current educational philosophies and their relation to agricultural education. Principles and practices involved in the leadership of a teacher of agriculture and in making his work more effective in a rural community. Study of leaders in the field.

ED 618 SEMINAR IN AGRICULTURAL EDUCATION

1 (1-0) f s

A critical review of current problems, articles, and books of interest to advanced students in agricultural education. (Maximum of 2 credits)

ED 621 RESEARCH IN AGRICULTURAL EDUCATION

3 (3-0) f s

Prerequisite: Advanced graduate standing

Individual direction in research on a specific problem of concern to the student. Generally, the student is preparing his thesis or research problem. (Maximum of 6 credits)

ED 664 ADMINISTRATION OF AGRICULTURAL EDUCATION

3 (3-0) f s

Prerequisite: Advanced graduate standing

Organization, administration, evaluation and possible improvement of present practices, theory, principles and techniques of effective administration in agricultural education at different levels.

— — — — — AGRICULTURAL ENGINEERING

COURSES FOR UNDERGRADUATES

AGE 151 FARM MECHANICS

4 (2-6) f

Prerequisite: Freshman in Agricultural Engineering or Mechanized Agriculture
Lecture and laboratory practice in woodworking, concrete, and masonry work as applied to the design and construction of farm buildings; sharpening tools; plumbing; sheet metal and cold metal work; and electric and oxy-acetylene welding as applied to fabrication and repair work around the farm.

Messrs. Howell, Blum

AGE 201 FARM SHOP WOODWORK

2 (1-3) f s

Lecture and laboratory practice in blueprint reading, sketching, and drawing, making bills of materials, farm shop planning, sharpening and fitting tools, use of hand and power tools in repairing farm buildings and appliances.

Messrs. Howell, Blum

AGE 202 FARM SHOP METALWORK

2 (1-3) f s

Lecture and laboratory practice in sheet metalwork, cold metalwork, arc and oxy-acetylene welding, and farm shop planning.

Messrs. Howell, Blum

AGE 211 FARM POWER AND MACHINERY I

3 (2-2) f s

A study of modern farm machinery, power units and equipment with emphasis on selection, operation, maintenance, care, and adjustments from the operator's viewpoint.
Mr. Bowen

COURSES FOR ADVANCED UNDERGRADUATES

AGE 302 AGRICULTURAL DRAWING

2 (0-6) f s

This is a course designed to study drawing-board work including sketching, elementary mechanical drawing, working drawings, lettering, tracing, blueprint reading, reproduction processes, and job planning.

Mr. Parker

AGE 321 IRRIGATION, DRAINAGE AND TERRACING

3 (2-3) f s

4 (2-6) f

Prerequisite: CE 201 for 4 credit course
Needs for irrigation in the Southeast and methods of accomplishment; methods of draining excess water from agricultural areas; the use of basic surveying equipment; and the need for and methods of accomplishing erosion control by mechanical measures to supplement vegetative programs.

Mr. Wilson

AGE 331 DAIRY ENGINEERING

3 (2-3) s

Prerequisite: PY 211

This course embodies the application and maintenance of power, heating, and refrigeration to equipment and controls used in dairy manufacturing.

Mr. Parker

AGE 332 FARM BUILDINGS AND CROP PROCESSING

3 (2-3) f

4 (2-6) f

Prerequisite: EM 341 for 4 credit course

Construction materials, structural features, and design loads. Functional planning of farm buildings for housing domestic animals and for storing and handling farm crops. Curing and drying of farm crops.

Mr. Parker

AGE 341 FARM ELECTRIFICATION AND UTILITIES

3 (2-2) f

4 (2-4) f

Prerequisite: J Junion standing

Problems and general study in the proper selection and use of applicable farm electric equipment and allied utilities.

Messrs. Weaver, Blum

AGE 371 SOIL AND WATER CONSERVATION ENGINEERING

4 (3-3) f

Prerequisites: CE 201, Soils 200

General aspects of agricultural hydrology, including precipitation, classification of climate, rainfall disposition, methods of estimating runoff, fundamental soil and water relationships, and hydraulics of flow in open channels and closed conduits, will be given. Included also are factors affecting erosion, methods of controlling erosion, land use classification, drainage, land clearing, irrigation methods, design requirements for portable irrigation systems, and economic aspects of irrigation in the Southeast.

Mr. Wilson

AGRICULTURAL ENGINEERING

AGE 401 FARM SHOP ORGANIZATION AND MANAGEMENT

3 (2-2) f s

Prerequisites: AGE 201 and 202

The use and care of power tools; planning of school shops and laboratories; selection of tools, materials, and equipment; shop management; and methods of presenting the subject matter.

Messrs. Howell, Blum

AGE 411 FARM POWER AND MACHINERY IIB

3 (2-3) s

Prerequisite: AGE 211

This course is designed to provide students in Mechanized Agriculture with a knowledge of the operations of manufacturing and distributing organizations of farm machinery and their places in these organizations. Included is a practical course in farm tractors and engines with emphasis on familiarizing the student with component parts—their application, operation, and maintenance, as well as with the selection of these units from the standpoint of power, performance, and ratings.

Messrs. Bowen, Greene

AGE 451 CURING AND DRYING OF FARM CROPS

2 (1-2) f

Prerequisite: ME 301, EM 430 or taken concurrently

Physical properties of air, fuels, and crop products as applied to the design of systems for the removal of moisture from crops. Problems involved in handling and storage in conjunction with driers.

Mr. Parker

AGE 452 SENIOR SEMINAR

1 (1-0) f s

Students will prepare talks in their particular field of interest, presenting them to the group. Also, two or three field trips to selected points of educational opportunities will be made during the second semester. Maximum of two credits allowed.

Mr. Giles and Staff

AGE 462 FARM POWER AND MACHINERY IIA

4 (3-3) f

Prerequisites: AGE 211; EM 321

A study of the basic principles underlying the functional elements of farm machinery, including analysis of operation, functions of various components, basic studies of processes, and the service adjustment and operation of current farm equipment. The course also includes a fundamental study of internal combustion engines and power trains to the various outlets; basic designs and applications of farm tractors, including hitches, power lifts, and other integral parts.

Messrs. Bowen, Greene

AGE 481 FARM STRUCTURES

4 (3-3) s

Prerequisites: AGE 451 and EM 321

Space and grouping arrangements, material use, and construction techniques to gain optimum efficiency, use, and satisfaction from buildings on the farm. The design of walls and wall coverings to impair the transfer of heat and moisture. The design of building elements and their connections to withstand their imposed loads.

Mr. Parker

AGE 491 RURAL ELECTRIFICATION

4 (3-3) f

Prerequisite: EE 320

A study of the history and development of rural electrification, rates and costs of serving the farm with electricity; farm wiring and lighting; electric motors; water systems; feed grinding and other applications of electricity to farming. Also included for study are materials and design for rural distribution lines; switches and controls; heat and refrigeration; poultry and dairy equipment; and other applicable uses of electricity in farm processes.

Mr. Weaver

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

AGE 551 SPECIAL PROBLEMS

Credits by arrangement

Prerequisite: Senior or Graduate standing in Agricultural Engineering.

Each student will select a subject on which he will do research and write a technical report on his results. He may choose a subject pertaining to his particular interest in any area of study in Agricultural Engineering.

Mr. Giles and Staff

AGE 552 INSTRUMENTATION FOR AGRICULTURAL RESEARCH AND PROCESSING

1 (0-2) f or s

Prerequisite: PY 403

Elaboration of the theory and principles of various primary sensing elements. Relates the output signal of electrical transducers to wheatstone bridge and potentiometer measuring circuits for calibration of the signal with the variable under study. Introduces the principles of circuits and mechanisms used for indicating, recording, and/or controlling process variables. Representative equipment will be employed whenever feasible.

Mr. Hassler

COURSES FOR GRADUATES ONLY

AGE 651 RESEARCH IN AGRICULTURAL ENGINEERING Credits by arrangement

Prerequisite: Graduate status in Agricultural Engineering
Performance of a particular investigation of concern to Agricultural Engineering. The study will begin with the selection of a problem and culminate with the presentation of a thesis. A maximum of six credits is allowed towards a Masters Degree; no limitation on credits in Doctorate program.

Mr. Files and Staff

AGE 652 SEMINAR 1 (1-0) f s

Prerequisite: Graduate standing
Elaboration of subject areas, techniques and methods peculiar to professional interest through presentations of personal and published works; opportunity for students to present and defend their ideas, concepts, and inferences. A maximum of two credits may be earned.

Mr. Hassler

AGE 654 AGRICULTURAL PROCESS ENGINEERING 3 (3-0) f or s

Prerequisites: AGE 451, PY 402, MA 511
Operations employed during processing for maximizing consumer quality and economic gain. Agricultural processing operations are analyzed on a "unit operation" basis, taking into consideration physical and chemical changes. Generalized physical theory will be presented as it relates to idealizations in agricultural processing.

Mr. Hassler

AGE 661 ANALYSIS OF FUNCTION AND DESIGN OF FARM MACHINERY 3 (2-3) f or s

Prerequisites: AGE 462, MA 401, PY 401, 3 hours of statistics
Principles and theories for establishing and interpreting the following: (1) functional requirements of machine components, and (2) discriminate and indiscriminate mechanical selection of agricultural products.

Mr. Bowen

AGE 671 THEORY OF DRAINAGE, IRRIGATION AND EROSION CONTROL 4 (3-3) f or s

Prerequisites: AGE 371; EM 430, MA 401, SOI 511
Emphasis is placed on the physical and mathematical aspects of problems in conservation engineering and an attempt is made to rationalize procedures which have often come about through experience rather than through analytical considerations. Examples are presented of cases where such an analytical approach has already improved, or shows promise of improving, design criteria and procedures.

Messrs. van Schilfgaarde, Wilson

AGE 681 ANALYSIS OF FUNCTION AND DESIGN OF FARM BUILDINGS 4 (4-0) f or s

Prerequisites: AGE 481 and PY 402
Functional requirements of farm structures with respect to man, animal and crop, and development of the means for providing structures which fulfill the functional requirements. Environmental problems and planning for integration of structural, environmental, and economical design.

Mr. Parker

AGRICULTURE

AG 101 AGRICULTURE AND WORLD AFFAIRS 3 (2-2) f

A required course for Freshmen in the School of Agriculture except those in Agricultural and Biological Chemistry. This course deals with the agriculture and agricultural regions of the United States. It also deals with population trends and densities in relation to food production and other natural resources throughout the world.

AG 301 AGENCIES AND PROGRAMS FOR AGRICULTURE 2 (2-0) s

A study of the major educational and service agencies designed to advance agriculture and rural living. The development of agricultural problems in the United States is traced as a background for consideration of the objectives, organization, and procedures of these agencies and programs.

Mr. Sloan

AG 401 PRINCIPLES AND METHODS OF EXTENSION EDUCATION 3 (3-0) s

Prerequisite: Senior standing (Graduate credit in special cases with permission of committee)

A study of the background, development, and operation of the Agricultural Extension Service. Consideration is given to major events leading to the establishment of Agricultural Extension, its objectives, organization, and philosophy. Major emphasis is placed upon the principles underlying Extension education together with methods of program building and teaching.

Mr. Sloan

ANIMAL INDUSTRY— — — — —

COURSES FOR UNDERGRADUATES

AI 201 ELEMENTS OF DAIRY SCIENCE 4 (3-3) f s
Fundamental principles of milk production; breeds, selection, feeding and management of dairy cattle; composition, quality and food value of milk products; principles of processing and manufacturing dairy products.

Messrs. Haig, Warren

AI 202 FUNDAMENTALS OF ANIMAL HUSBANDRY 4 (3-3) f s
Principles of feeding, managing and marketing meat animals. Year to year and seasonal price trends and relationships. Relation of slaughter grades to carcass cut-out values.

Mr. Goode

AI 301 GRADING AND SELECTING MEAT ANIMALS 2 (0-6) s
Study of breed characteristics and type by species. Market classes and grades of beef cattle, sheep and hogs relating live animal grade to carcass grade and cut-out value.

Mr. Goode

AI 303 MEAT AND MEAT PRODUCTS 3 (1-6) f s
Study of live animal and carcass relationships, dressing percentages and cut-out values. Slaughtering, cutting, curing, freezing and handling of meat and meat products for commercial and home use.

Messrs. Blumer, Brown

AI 305 JUDGING AND SELECTION—DAIRY CATTLE 2 (0-6) f
Breed characteristics, score-card requirements and adaptability to North Carolina of the 5 major dairy breeds. Practice judging with oral reasons.

Mr. Murley

AI 306 ADVANCED JUDGING AND SELECTION—DAIRY CATTLE 1 (0-3) s
Prerequisite: AI 305

Advanced judging with emphasis on oral reasons and show-ring requirements, trips to leading farms. Only students working for place on judging team will take this course.

Mr. Murley

AI 307 ADVANCED JUDGING AND SELECTION—GENERAL LIVESTOCK 1 (0-6) f
Prerequisite: AI 301

Advanced course stressing the importance of methods in making rapid and accurate observations. Sets up standards of animal excellence and provides practice in oral reasons.

Mr. Gregory

AI 309 MEAT SELECTION 1 (0-6) f
Detailed consideration of factors involved in selection of carcasses and wholesale cuts of beef, pork and lamb. Practice in identification of wholesale and retail cuts.

Mr. Blumer

AI 312 PRINCIPLES OF LIVESTOCK NUTRITION 3 (3-0) s
Prerequisite: CH 351 and ZO 301

Fundamentals of modern animal nutrition, including classification of nutrients, their general metabolism and roles in productive functions.

Mr. Wise

AI 401 BEEF CATTLE PRODUCTION 3 (2-3) f s
Prerequisite: AI 203

Fundamental principles of the production of beef; selection, feeding and management of breeding herds and feeder cattle.

Mr. Barrick

AI 402 SHEEP PRODUCTION 3 (2-3) f s
Prerequisite: AI 203

Study of the factors involved in the feeding, breeding, management and marketing of lamb, mutton and wool.

Mr. Goode

AI 403 PORK PRODUCTION 3 (2-3) f s
Prerequisite: AI 203

Study of production, management and marketing practices involved in the successful production of swine.

Mr. Clawson

ANIMAL INDUSTRY

AI 404 DAIRY FARM PROBLEMS

3 (2-3) s

Prerequisite: AI 201

Advanced study of practical dairy farm management including farm records, farm buildings, sanitation, roughage utilization and herd culling.

AI 406 ANIMAL INDUSTRY SEMINAR

Mr. Murley

1 (1-0) s

Review and discussion of special topics and the current literature pertaining to all phases of animal production.

Mr. Pou

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

AI 501 PHYSIOLOGY OF DOMESTIC ANIMALS

4 (3-3) f

Prerequisite: ZO 301

A course in advanced physiology of domestic mammals with special reference to farm animals.

Messrs. Casady and Thomas

AI 502 REPRODUCTION AND LACTATION

4 (3-3) s

Prerequisite: ZO 301

Anatomy and physiology of the reproductive organs and mammary glands with detailed coverage of physiological processes involved and factors controlling and influencing them. Specific applications to farm animals including artificial insemination.

Messrs. Casady and Myers

AI 503 ANIMAL BREEDING

3 (2-3) f s

Prerequisite: GN 411

Traits of economic importance in livestock production, and their mode of inheritance. Phenotypic and genetic relationships between traits. The place of selection, inbreeding and crossbreeding in a program of animal improvement.

Mr. Dillard

AI 505 DISEASES OF FARM ANIMALS

3 (3-0) f

Prerequisite: Approval of instructor

The pathology of bacterial, virus, parasitic, nutritional and thermal diseases, and mechanical disease processes.

Mr. Osborne

AI 507 TOPICAL PROBLEMS IN ANIMAL INDUSTRY

Max. 6 f s

Special problems may be selected or assigned in various phases of Animal Industry. A maximum of six credits is allowed.

Staff

AI 513 NEEDS AND UTILIZATION OF NUTRIENTS BY LIVESTOCK

3 (3-0) f

Prerequisite: AI 312 or equivalent

Measurement of nutrient needs of livestock and the nutrient values of feeds. Nutritive requirements for productive functions.

Mr. Wise

COURSES FOR GRADUATES ONLY

AI 600 RESEARCH IN ANIMAL INDUSTRY

Credits by Arrangement f s

A maximum of six hours is allowed toward the Master's degree; no limitation on credits in Doctorate programs.

Staff

AI 601 SEMINAR IN ANIMAL NUTRITION

1 (1-0) f s

Prerequisite: Permission of seminar leaders

Orientation in philosophy of research; organization for research in agriculture, and general research methodology.

Nutrition Staff

AI 602 ADVANCED ANIMAL BREEDING

3 (Arranged) 3

Prerequisite: Statistics 625

A study of the forces influencing gene frequencies, inbreeding and its effects, and alternative breeding plans.

Mr. Legates

AI 603 ANIMAL NUTRITION: MINERAL METABOLISM

3 (3-0) f

Prerequisite: AI 312 or CH 452

Role of minerals in the nutrition of animals with emphasis on available knowledge, a digest of progress already made and directions in which investigations need to be extended.

Mr. Matrone

* Offered in odd calendar years.

ARCHITECTURE—BIOLOGY—BOTANY

AI 621 (CH 621) ENZYMES AND INTERMEDIARY METABOLISM

4 (3-4) f

Prerequisites: CH 511 and permission of instructor

A study of the properties of enzymes and enzyme action; intermediary metabolism of carbohydrates, amino acids, fatty acids, vitamins, purines and phosphorus; metabolic energy relationships.

Mr. Tove

AI 623 (CH 623) BIOLOGICAL ASSAY OF VITAMINS

3 (2-2) s

Prerequisites: CH 551 or AI 312, ST 512

Techniques and designs of biological assays for vitamins. The interrelationship of logical principles, design and analysis is emphasized.

Staff

ARCHITECTURE — — — — —

COURSES FOR UNDERGRADUATES

ARC 101-102 INTRODUCTION TO ARCHITECTURE

2 (1-3) f s

The application of the basic principles and fundamentals of design to architecture. The elements of descriptive geometry, architectural shades and shadows and perspective.

ARC 301-302 ARCHITECTURAL DESIGN I, II

6 (3-12) f s

Prerequisites: Design 202-212, EM 311, PY 212

Required of all third year students in Architectural Relationship of exterior and interior spaces. Structure as a primary and essential element in construction and design.

Mr. Caminos and Mr. Adams

ARC 401-402 ARCHITECTURAL DESIGN III, IV

6 (3-12) f s

Prerequisites: ARC 302, CE 339, EM 321

Required of all fourth year students in Architecture. A study of architectural design process as applied to larger buildings and groups of buildings. Introductory exercise in theory and practice of physical city planning.

Mr. Matsumoto

ARC 501-502 ARCHITECTURAL DESIGN V, VI

6 (3-12) f s

Prerequisites: ARC 402, CE 436

Required of all fifth year students in Architecture. Architectural Research Design.

Mr. Catalano

BIOLOGY — — — — —

BO 301 FUNDAMENTALS OF BIOLOGY

3 (3-0) s

A survey of the major principles of the biological sciences. A course designed for students who have not had a college course in the biological sciences and who do not anticipate further study in biology. Not acceptable as a prerequisite for further work in the biological sciences.

Mr. Evers

BOTANY — — — — —

COURSES FOR UNDERGRADUATES

BO 101 GENERAL BOTANY

3 (3-0) f s

An introductory study of the structure, physiology and ecology of high green plants.

Staff

BO 102 GENERAL BOTANY

3 (3-0) f s

Prerequisite: BO 101

A study of sexual reproduction and heredity in the flowering plants; a survey of the life histories of the major groups of non-green and green plants.

Staff

BO 203 INTRODUCTION TO SYSTEMATIC BOTANY

3 (0-6) s

Prerequisite: BO 101

An introduction to the local flora and the classification of the plants included therein.

Messrs. Beal and Wilbur

BOTANY

BO 211, 212 DENDROLOGY

2 (1-3) f s

Prerequisites: BO 102

Must be taken in the order listed except by permission.

A systematic survey of the principal hardwood (angiosperm) and evergreen (gymnosperm) genera and species of North American trees. Emphasis will be upon those of commercial importance and particularly those in the eastern United States.

Mr. Wilbur

BO 410 PLANT HISTOLOGY AND MICROTECHNIQUE

3 (1-6) f

Prerequisites: BO 102; CH 203

Studies of the principal tissues of Angiosperms in terms of the theory and practice of optical instrumentation, microtechnical preparations, and photomicrography.

Mr. Ball

BO 412 GENERAL BACTERIOLOGY

4 (2-4) f s

Prerequisites: BO 102 (or ZO 101); CH 101

Open to upperclassmen in Sanitary Engineering with only a chemistry prerequisite

A study of the fundamental concepts and techniques of microbiology; isolation, cultivation, observation, morphology, physiology and nutrition of microorganisms.

Mr. Borg

BO 421 PLANT PHYSIOLOGY

4 (2-4) f s

Prerequisites: BO 102; CH 203

An introductory treatment of the chemical and physical processes occurring in higher green plants with emphasis upon the mechanism, factors affecting, correlations between processes, and biological significance.

Messrs. Anderson, Brun, Scofield

BO 441 PLANT ECOLOGY

3 (2-3) f

Prerequisite: BO 102

A study of the principles and factors determining the distribution of plants including discussion of the major groupings of plants into vegetational types.

Mr. Bourdeau

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

BO 512 MORPHOLOGY OF VASCULAR PLANTS

2 (1-3) f

Prerequisite: BO 102

A study of comparative morphology, ontogeny and evolution of the vascular plants. Emphasis is placed upon the phylogeny of sexual reproduction and of the vascular systems.

Mr. Ball

BO 513 PLANT ANATOMY

3 (2-2) s

Prerequisites: BO 102

A study of the anatomy of the Angiosperms and Gymnosperms. The development of tissues is traced from their origin by meristems to their mature states.

Mr. Ball

BO 521 SYSTEMATIC BOTANY OF MONOCOT FAMILIES

3 (0-6) f

Prerequisites: BO 102, 203

A comprehensive survey of the systematics of monocot families with special emphasis on grasses. Terminology, identification, relationships and economic significance are stressed.

Mr. Beal

BO 523 SYSTEMATIC BOTANY OF DICOT FAMILIES

3 (0-6) s

Prerequisites: BO 102, 203

A comprehensive survey of the systematics of dicot families. Emphasis is given to the history of systematics, its significance and relation to other disciplines, the principles of plant classification, major systems of classification and the International Rules of Botanical Nomenclature.

Mr. Wilbur

BO 532, 533 ADVANCED PLANT PHYSIOLOGY

2 (2-0) f s

Prerequisites: BO 421 or equivalent

An advanced treatment of metabolism and growth in higher green plants with emphasis upon the theoretical principles which form the basis for interpretations.

Mr. Brun

BO 545 ADVANCED PLANT ECOLOGY

3 (2-3) s

Prerequisites: BO 421, 441 or equivalent

An advanced discussion of the principles, theories and methods of plant ecology.

Mr. Bourdeau

CERAMIC ENGINEERING

BO 573 AQUATIC BOTANY

3 (1-6) s

Prerequisite: BO 102

A discussion of the taxonomy and ecology of the aquatic plants including the important fresh-water algae, aquatic bacteria, fungi, water "ferns," mosses and liverworts, and the important genera of flowering plants.

Mr. Whitford

COURSES LIMITED TO GRADUATE STUDENTS

BO 635 THE MINERAL NUTRITION OF PLANTS

3 (2-3) s

Prerequisite: BO 421

Discussion of the accumulation, translocation and utilization of mineral elements by higher plants. Emphasis will be placed on the relationships between these processes and plant metabolism.

Mr. Evans

BO 650 SPECIAL PROBLEMS IN BOTANY

Credits by Arrangement f s

Graduate students in fields allied to Botany may conduct intensive study of a problem in some specialized phase of botany.

Graduate Staff

BO 651 RESEARCH IN BOTANY

Credits by Arrangement f s

Graduate student majors in Botany undertake research problems preparatory to writing a Master's Thesis or a PhD Dissertation.

Graduate Staff

BO 661 BOTANY SEMINAR

1 (1-0) f s

Graduate student credit allowed if one paper per semester is presented at the Seminar.

CERAMIC ENGINEERING — — — — —

COURSES FOR UNDERGRADUATES

MIC 200 INTRODUCTION TO CERAMICS

1 (1-0) f s

Historical notes and quality characteristics of such ceramic products as glass, enamels, pottery, brick, tile and cements. Industrial classification, scientific developments economic and cultural importance. Lectures.

MIC 301 CERAMIC OPERATIONS I

4 (3-3) f

Unit operations pertaining to ceramic product manufacture. Crushing, grinding, particle size classification and packing. Colloidal and rheological properties of slips, slurries and plastic masses. Lectures and laboratory.

MIC 302 CERAMIC OPERATIONS II

3 (2-3) s

Prerequisites: MIC 301 and Ph 201

A continuation of MIC 301. Dewatering of slips and slurries. Properties of air and air-vapor mixtures, heat transmission, fluid flow, drying, drier calculations. Lectures and laboratory.

MIC 312 CERAMIC PROCESS PRINCIPLES I

4 (3-3) f

Corequisite: MIC 302

Principles of combustion, heat transfer. Introduction to pyrochemical and physicochemical changes in ceramic materials. Measurements, controls and calculations of furnaces and kilns. Lectures and laboratory.

MIC 413 CERAMIC PROCESS PRINCIPLES II

4 (3-3) f

Prerequisites: MIC 312 and CH 532

A continuation of MIC 312. Introduction to crystal chemistry and the constitution of glass. Consideration of special problems relating to glasses, glazes and enamels, including opacity and color. Applications of the principles of phase equilibria with particular reference to refractories. Lectures and laboratory.

MIC 414 SENIOR THESIS

3 (1-6) f s

One semester required of seniors in Ceramic Engineering. A second semester may be elected

An introduction to research. Literature search, laboratory investigation and written report in the form of a thesis. Conference and laboratory.

MIC 415, 416 CERAMIC ENGINEERING DESIGN

2 (0-6) f s

The methods of ceramic equipment, structures and plant designing.

MIC 420 INDUSTRIAL CERAMICS

3 (3-0) s

A study of the various ceramic industries, including manufacturing techniques, labor and professional relationships, and the present and future status of the respective industries. Lectures and discussion.

MIC 425 SEMINAR

1 (1-0) f s

One semester required of seniors in Ceramic Engineering. A second semester may be elected.
Literature survey of selected topics in ceramic engineering. Oral and written reports, discussions.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

MIC 503 CERAMIC MICROSCOPY

3 (2-3) f s

Prerequisite: MIC 531

Petrographic techniques for the systematic study of ceramic materials and products. Interpretation and representation of results.

MIC 505 RESEARCH AND CONTROL METHODS

3 (2-3) f s

Lectures, demonstrations and experiments on instrumental methods of ceramic investigation.

MIC 507, 508 ADVANCED CERAMIC EXPERIMENTS

3 (1-6) f s

Prerequisite: MIC 414 or equivalent

Advanced studies in ceramic laboratory experimentation.

MIC 511 ADVANCED STUDIES IN FIRING

3 (2-3) f s

Advanced studies of ceramic firing procedures with emphasis on the design, calculation and economic evaluation of kilns and furnaces.

MIC 522 STRUCTURAL CLAY PRODUCTS

3 (3-0) s

Prerequisite: MIC 413

The technology of the structural clay products industries with emphasis on the latest developments in the field.

MIC 526 REFRACTORY TECHNOLOGY

2 (2-0) s

Prerequisite: MIC 413

The technology of refractory manufacture with emphasis on the latest advances in the field.

MIC 527 REFRACTORIES IN SERVICE

3 (2-3) f s

Prerequisite: Permission of instructor

A study of the physical and chemical properties of the more important refractories in respect to their environment in industrial and laboratory furnaces.

MIC 532 TECHNOLOGY OF ABRASIVES

2 (2-0) s

Prerequisite: Permission of instructor

The methods of manufacture, properties and application of abrasives to industrial grinding, cutting and polishing.

MIC 535, 536 ENAMELS AND PROTECTIVE COATINGS

3 (3-0) f s

Prerequisite: MIC 413

The technology of ceramic coatings for ferrous, aluminum and special high temperature alloys used for domestic appliances, structural members aircraft parts, etc.

MIC 540 GLASS TECHNOLOGY

3 (3-0) s

Prerequisite: MIC 413

Fundamentals of glass manufacture including compositions, properties and applications of the principal types of commercial glasses.

MIC 543, 544 TECHNOLOGY OF THE WHITEWARE INDUSTRIES

3 (3-0) f s

Prerequisite: MIC 413

Technology of whiteware bodies and glazes.

MIC 548 TECHNOLOGY OF CEMENTS

3 (3-0) s

Prerequisite: MIC 413

The technology of the Portland cement industry including manufacture, control and uses.

COURSES FOR GRADUATES ONLY

MIC 605, 606 CRYSTAL STRUCTURES

2 (2-0) f s

Basic laws of crystal structure. Relation of crystal structure to chemical and physical properties.

MIC 613 CERAMIC THERMAL MINERALOGY

3 (3-0) s

Prerequisite: MIC 605

Applications of the principles of thermalchemical mineralogy to ceramic problems.

MIC 650 CERAMIC RESEARCH

**1 to 9 credits
per semester**

An original and independent investigation in ceramic engineering. A report of such an investigation is required as a graduate thesis.

CHEMICAL ENGINEERING

MIC 660 CERAMIC ENGINEERING SEMINAR 1 (1-0) f s
Reports and discussion of special topics in ceramic engineering and allied fields.

MIC 661, 662 SPECIAL STUDIES IN CERAMIC ENGINEERING 1 to 3 credits
per semester
Special studies of advanced topics in ceramic engineering. Credit will vary with the topic.

CHEMICAL ENGINEERING — — — — —

COURSES FOR UNDERGRADUATES

CHE 205 CHEMICAL PROCESS PRINCIPLES I 4 (3-2) f
Prerequisite: PY 201

Required of sophomores in Chemical Engineering
An introduction to material and energy balances, stoichiometry, gas laws, vapor pressure, humidity, saturation, thermophysics and thermochemistry. Three lectures and one problem period.

CHE 301, 302 ELEMENTS OF CHEMICAL ENGINEERING 3 (3-0) f s
An introduction to principles of chemical engineering including calculations involved in industrial processes and equipment. The course is designed for students not majoring in chemical engineering.

CHE 311 CHEMICAL PROCESS PRINCIPLES II 3 (3-3) s
Prerequisite: CHE 205

Required of juniors in Chemical Engineering
A continuation of CHE 205. One laboratory period is devoted to typical chemical engineering measurements.

CHE 411 UNIT OPERATIONS I 3 (3-0) s
Prerequisite: CHE 311

Required of juniors in Chemical Engineering
Principles of fluid flow, heat transfer, evaporation, etc., with emphasis on design calculations.

CHE 412 UNIT OPERATIONS II 4 (4-0) f
Prerequisite: CHE 411

Required of seniors in Chemical Engineering
A continuation of CHE 411 with emphasis on the diffusional operations such as absorption, distillation, extraction, drying, etc.

CHE 415 CHEMICAL ENGINEERING THERMODYNAMICS 4 (3-2) f
Prerequisites: CH 531, CHE 311

Required of seniors in Chemical Engineering
A study of the laws of thermodynamics and their application to chemical engineering problems. Emphasis on the theory, data and approximation methods as applied to physical and chemical systems.

CHE 431, 432 UNIT OPERATIONS LABORATORY I AND II 3 (1-6) f s
Prerequisite: CHE 411

Required of seniors in Chemical Engineering
Laboratory work on typical apparatus involving the unit operations. Experiments are designed to augment the theory and data of the lecture courses and to develop proficiency in the writing of technical reports.

CHE 453 CHEMICAL PROCESSING OF RADIOACTIVE MATERIALS 3 (3-0)
Consideration of the unique procedures required for the bulk manipulation of radioactive chemicals. Particular attention is given to remote operational procedures of precipitation, centrifugation, conveying, solvent extraction and ion exchange. Design of apparatus involving low maintenance and ease of replacement and cleaning by safe methods is considered. Other topics include decontamination procedures and disposal of wastes.

CHE 460 SEMINAR 1 (1-0) f s
One semester required of seniors in Chemical Engineering.
Literature survey of selected topics in chemical engineering. Emphasis on written and oral presentation.

CHE 470 CHEMICAL ENGINEERING PROJECTS 2 Arrange f s
One semester required of seniors in Chemical Engineering
Introduction to research through experimental, theoretical and literature studies of chemical engineering problems. Oral and written presentation of reports.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

CHE 525 PROCESS MEASUREMENT AND CONTROL 3 Arrange f s
Prerequisite: CHE 411

Theory and application of methods for measuring, transmitting, recording and controlling such process variables as temperature, pressure, flow rate, liquid level, concentration, humidity etc. Commercial instruments are utilized for study of a wide variety of industrial control problems. Recorder-controllers are available for simulating industrial control problems of varying difficulty.

CHE 527 CHEMICAL PROCESS ENGINEERING 3 (3-0) s

Prerequisite: CHE 412

A study of selected chemical processes with emphasis on the engineering, chemical and economic factors involved.

CHE 540 ELECTROCHEMICAL ENGINEERING 3 (3-0) s

Prerequisite: Physical Chemistry

The application of electrochemical principles to such topics as electrolysis, electroanalysis, electroplating, metal refining, etc.

CHE 541 CELLULOSE INDUSTRIES 3 (3-0) f

Prerequisite: Organic Chemistry

Methods of manufacture and application of cellulose chemical conversion products. Emphasis placed on recent development in the fields of synthetic fibers, films, lacquers, and other cellulose compounds.

CHE 542 TECHNOLOGY OF PULP AND PAPER 3 Arrange f

Prerequisite: Organic Chemistry

Fundamentals of pulp and paper manufacture with emphasis on recent advances in the field. One laboratory period per week is devoted to topics such as digestion and treatment of pulp, handsheet preparation and testing, fiber analysis, and chemical and physical tests.

CHE 543 TECHNOLOGY OF PLASTICS 3 (3-0) s

Prerequisite: Organic Chemistry

The properties, methods of manufacture, and application of synthetic resins. Recent developments in the field are stressed.

CHE 545 PETROLEUM REFINERY ENGINEERING 3 (3-0) s

Prerequisite: CHE 412

An introduction to the petroleum industry including (1) nature of petroleum and its fractions, octane numbers, viscosity relationships, etc., (2) operations of thermal and catalytic cracking, stabilization, alkylation isomerization, crude fractionation, etc., (3) problem work covering high pressure phase relationships, and related material.

CHE 546 CHEMICAL REACTION RATES 3 (3-0) f

Prerequisite: CHE 415

A basic study of the rates of homogeneous reactions, heterogeneous reactions, and catalysis.

CHE 570 CHEMICAL ENGINEERING PROJECTS 3 Arrange f s

Prerequisite or concurrent: CHE 412

A laboratory study of some phase of chemical engineering or allied field.

COURSES FOR GRADUATES ONLY

CHE 610 HEAT TRANSFER I 3 (3-0) f

Prerequisite: CHE 411

An advanced course dealing primarily with heat transfer between liquids and solids, optimum operating conditions and design of equipment, conduction, heating and cooling of solids, radiant heat transmission.

CHE 611 HEAT TRANSFER II 2 (2-0) s

Prerequisite: CHE 610

An intensive study of recent advances in heat transfer and allied fields.

CHE 612 DIFFUSIONAL OPERATIONS 3 (3-0) f

Prerequisite: CHE 412

An advanced treatment of mass transfer particularly as applied to absorption, extraction, drying, humidification and dehumidification.

CHE 613 DISTILLATION 3 (3-0)

Prerequisite: CHE 412

Vapor-liquid equilibria of non-ideal solutions, continuous distillation of binary and multi-component systems, batch distillation, azeotropic and extraction distillation.

CHEMISTRY

CHE 614 DRYING OF SOLIDS

2 (2-0)

Prerequisite: CHE 412

An advanced course on the mechanism of drying operations with application to design of equipment, such as cabinet, tunnel, rotary, drum and spray driers.

CHE 615 THERMODYNAMICS I

3 (3-0)

Prerequisite: CHE 415

Advanced topics in Chemical Engineering thermodynamics including equilibria of physical and chemical systems, high pressure systems, generalized properties of hydrocarbons, etc.

CHE 616 THERMODYNAMICS II

2 (2-0) s

Prerequisite: CHE 615

An intensive study of recent advances in thermodynamics.

CHE 617 CATALYSIS OF INDUSTRIAL REACTIONS

3 (3-0)

Prerequisite: CHE 546

A study of the mechanism of catalysis with emphasis on practical application to operation and design of industrial processes.

CHE 631, 632 CHEMICAL PROCESS DESIGN

3 (3-0) f s

Prerequisite: CHE 412

Design and selection of process equipment, through solution of comprehensive problems involving unit operations, kinetics, thermodynamics, strength of materials and chemistry.

CHE 641, 642 ADVANCED CHEMICAL ENGINEERING LABORATORY

3 Arrange f s

Prerequisite: CHE 412

Advanced laboratory work in a selected field with emphasis on theory, techniques and performance of equipment.

CHE 650 ADVANCED TOPICS IN CHEMICAL ENGINEERING

1 to 3 credits
per semester f s

A study of recent developments in chemical engineering theory and practice, such as ion exchange, crystallization, mixing, molecular distillation, hydrogenation, fluorination, etc. The topic will vary from term to term

CHE 660 CHEMICAL ENGINEERING SEMINAR

1 credit
per semester f s

Literature investigations and reports of special topics in chemical engineering and allied fields.

CHE 680 CHEMICAL ENGINEERING RESEARCH

1 to 9 credits
per semester f s

Independent investigation of an advanced chemical engineering problem. A report of such an investigation is required as a graduate thesis.

CHEMISTRY — — — — —

COURSES FOR UNDERGRADUATES

CH 101 GENERAL INORGANIC CHEMISTRY

4 (3-2) f s

The language of Chemistry, fundamental chemical laws and theories, limited study of selected chemical elements, compounds, reactions and processes.

Staff

CH 103 GENERAL AND QUALITATIVE CHEMISTRY

4 (3-2) f s

Prerequisite: CH 101

Homogeneous and heterogeneous equilibrium, oxidation and reduction, metallurgy, fundamental properties of metals, non-metals, their compounds, introduction to organic and nuclear chemistry, industrial applications of some metals, non-metals, and their compounds. The laboratory work is entirely semimicro qualitative analysis.

Staff

CH 103 L SEMIMICRO QUALITATIVE ANALYSIS

1 (0-3) f s

Prerequisite: 1 year of General Chemistry not including Qualitative Analysis
Chiefly the laboratory work of CH 103.

CH 201 GENERAL INORGANIC CHEMISTRY

5 (3-6) f

Includes content of CH 101 supplemented by additional laboratory work.

Staff

CHEMISTRY

CH 203 GENERAL AND ORGANIC CHEMISTRY

4 (3-3) f s

Prerequisite: CH 101

Chemistry 203 includes a further study of the principles of general chemistry as presented in CH 101, and also an introduction to Organic Chemistry. The Organic Chemistry survey includes the hydrocarbons, alcohols, ethers, aldehydes, ketones, acids and derivatives, esters, phenols, fats, carbohydrates, amino acids, proteins, and a selected group of natural and synthetic products.

Staff

CH 205 GENERAL AND QUALITATIVE CHEMISTRY

5 (3-6) s

Prerequisite: CH 101 or 201

Includes content of CH 103 supplemented by additional laboratory work.

Staff

CH 211 QUANTITATIVE ANALYSIS

4 (2-6) f

Prerequisite: CH 103

Volumetric analysis, including the techniques, chemistry, stoichiometry, and basic chemical principles of neutralization, oxidation, and precipitation analysis with laboratory application to representative analyses.

Mr. Hentz

CH 212 QUANTITATIVE ANALYSIS

4 (2-6) s

Prerequisites: CH 211 and one semester of General Physics

Continuation of CH 211 to the study of potentiometric titrations, colorimetry, pH measurement, electrodeposition, and gravimetric methods of analysis with representative laboratory applications.

Mr. Hentz

CH 215 QUANTITATIVE ANALYSIS

4 (3-3) f s

Prerequisite: CH 103

One semester course in Volumetric and Gravimetric analysis. Includes techniques, stoichiometry, and principles of neutralization, oxidation, and precipitation methods, and the chemistry of representative laboratory determinations.

Mr. Hentz

CH 401 SPECIAL TOPICS IN INORGANIC CHEMISTRY

3 (3-0) f

Prerequisite: CH 215

Structure of matter, periodic system, electronic structure and chemical bonding, acids, bases salts, preparation of elements, halogen compounds, hydrides and carbonyls.

Messrs. White, Jennings, Hentz

CH 421, 422 ORGANIC CHEMISTRY

5 (3-6) f s

Prerequisite: CH 212

Aliphatic and aromatic compounds, methods of preparation, purification and identification of compounds; emphasis on structure and mechanism of organic reactions.

CH 425, 426 ORGANIC CHEMISTRY

3 (2-3) f s

Prerequisite: CH 215

Structure, preparation, properties, and reactions of aliphatic and aromatic substances.

Mr. Loeppert

CH 430 ORGANIC PREPARATIONS

3 (1-6) s

Prerequisites: Three years of Chemistry including Organic Chemistry

Experiments selected to acquaint the student with advanced methods and techniques in the preparation of organic substances.

Mr. Loeppert

CH 451 INTRODUCTORY BIOCHEMISTRY

3 (2-3) f s

Prerequisite: CH 203

The fundamental biochemistry of living matter.

Mr. Satterfield

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

CH 527 ADVANCED SURVEY OF ORGANIC CHEMISTRY

3 (3-0) s

Prerequisites: Three years of Chemistry including Organic Chemistry

Underlying principles, interpretation of mechanisms, limitations in the use of organic reactions.

Mr. Reid

CH 528 QUALITATIVE ORGANIC ANALYSIS

3 (1-6) f

Prerequisites: Three years of Chemistry including Organic Chemistry

A study of class reactions functional groups, separation, identification and preparation of derivatives.

Mr. Reid

CHEMISTRY

CH 529 QUANTITATIVE ORGANIC ANALYSIS

3 (1-6) s

Prerequisites: Three years of Chemistry including Organic Chemistry
Quantitative determination of carbon, hydrogen, nitrogen, the halogens, sulfur and various functional groups in organic materials, with emphasis on semimicro methods.
Mr. Loeppert

CH 531, 532 PHYSICAL CHEMISTRY

3 (3-0) f s

Prerequisites: CH 215, PY 202, MA 202
An intensive study of the states of matter, solutions, colloids, homogeneous and heterogeneous equilibrium, reaction kinetics, electrolysis, conductance, oxidation reactions, ionic equilibrium.

Messrs. Sutton, Jennings

CH 531 L, 532 L PHYSICAL CHEMISTRY LABORATORY

1 (0-3) f s

Prerequisites: CH 215, PY 202, MA 202
Laboratory course to accompany lecture work in physical chemistry.

Messrs. Sutton, Jennings

CH 533 PHYSICAL CHEMISTRY

3 (3-0) f

Prerequisite: CH 532

An intensive study of the structure of atoms and molecules, an introduction to statistics and selected subjects in thermodynamics.

Messrs. Sutton, Jennings

CH 537 INSTRUMENTAL METHODS OF ANALYSIS

4 (2-2) s

Prerequisites: Three years of Chemistry including CH 532
Physical methods of chemical analysis, the instruments employed and the theoretical basis for their operation.

Mr. Lott

CH 542 COLLOID CHEMISTRY

3 (2-3) s

Prerequisite: CH 426

Adsorption, preparation, properties, constitution, stability, and application of sols, gels, emulsions, foams and aerosols; dialysis, Donnan membrane equilibrium.

Mr. White

CH 543 RADIOCHEMISTRY

3 (2-3) s

Prerequisites: CH 215 or 212, PY 520

Chemical techniques applied to separation of radioactive elements and preparation for counting. Applications of radioactivity to chemistry.

Mr. Hentz

CH 551 GENERAL BIOLOGICAL CHEMISTRY

5 (3-6) f

Prerequisites: CH 422, or equivalent of three years of Chemistry
The chemical constitution of living matter. Biochemical processes as well as compounds are studied, lectures, laboratory.

Messrs. Peterson, Simmons

CH 552 PHYSIOLOGICAL CHEMISTRY

3 (2-3) s

Prerequisite: CH 551

Digestion, absorption, metabolism, secretions, and excretions. Laboratory will include analysis of blood and urine.

Mr. Satterfield

CH 555 PLANT CHEMISTRY

3 (2-3) s

Prerequisite: CH 551

Composition of plants, properties, nature, and classification of plant constituents, changes occurring during growth, ripening, and storage of plants or plant products.

Messrs. Simmons and Ringler

CH 561 CHEMISTRY OF CARBOHYDRATES AND LIPIDES

3 (3-0) s

Prerequisites: CH 422 or equivalent of three years of Chemistry

Classification, composition, distribution, biosynthesis, and metabolism of lipides and carbohydrates, analysis syntheses deterioration, physical properties and chemical reactions are also considered.

Messrs. Robinson, Simmons, Smith

CH 562 CHEMISTRY OF PROTEINS AND NUCLEIC ACIDS

3 (3-0) f

Prerequisites: CH 422, CH 551, or equivalent of three years of Chemistry

Composition, distribution, structure, properties, and metabolism of amino acids, proteins and nucleic acids.

Messrs. Peterson, Ingram

CH 572 CHEMISTRY OF THE VITAMIN

3 (3-0) s

Prerequisites: CH 422, or equivalent of three years of Chemistry

History, nomenclature, properties, distribution, effects of deficiencies, vitamin values.

Mr. Satterfield

CIVIL ENGINEERING

CH 601 ADVANCED ORGANIC CHEMISTRY

3 (3-0) f

Prerequisite: CH 527

Alicyclic and heterocyclic compounds macromolecules, standard type reactions.

Messrs. Reid, Loeppert, Robinson

CH 602 ADVANCED ORGANIC CHEMISTRY

3 (3-0) s

Prerequisites: CH 422, 532

Theoretical and physical aspects of Organic Chemistry; relations between chemical constitution and properties.

Mr. Loeppert

CH 621 (AI 621) ENZYMES AND INTERMEDIARY METABOLISM

4 (3-3) f

Prerequisites: CH 551 and permission of instructor

A study of the properties of enzymes and enzyme action, intermediary metabolism of carbohydrates, amino acids, fatty acids, vitamins, purines and porphyrins, metabolic energy relationships.

Mr. Tove

CH 623 (AI 623) BIOLOGICAL ASSAY OF VITAMINS

3 (2-2) s

Prerequisites: CH 551 or AI 512, 513, 514

Techniques and designs of biological assays for vitamins; the interrelationships of logical principles, design, and analysis is emphasized.

Staff

CH 631 CHEMICAL RESEARCH

Credits by arrangement

Prerequisites: 36 semester credits in Chemistry. Open to all graduates

Special problems that will furnish material for a thesis. A maximum of 6 semester credits is allowed toward a Master's degree, no limitation on credits in Doctorate programs.

Staff

CH 641 SEMINAR

Credits by arrangement

Prerequisite: Graduate standing in Chemistry

Required of graduate students specializing in Chemistry

Scientific articles, progress reports in research, and special problems of interest to chemists are reviewed and discussed.

A maximum of two semester credits is allowed toward the Master's Degree, but any number toward the Doctorate.

Staff

CH 651 SPECIAL TOPICS IN CHEMISTRY

Max. 3

Prerequisite: Graduate standing in Chemistry

Critical study of some special problems in one of the branches of Chemistry, involving original investigation together with a survey of pertinent literature.

Staff

CH 671, 672 ADVANCED PHYSICAL CHEMISTRY

3 (3-0) f s

Prerequisites: CH 532

The work of 671 will involve a thorough review of the fundamental principles of physical chemistry with extension and application of these to the study of the solid state. In 672 there will be laid down the elements of statistical mechanics and kinetic theory, in terms of which certain topics from 671 will be more exhaustively developed. Solution of problems will play an important role in 671.

Mr. Sutton

CIVIL ENGINEERING

COURSES FOR UNDERGRADUATES

CE 201 SURVEYING I

3 (1-5) f s

Prerequisite: MA 101

Required of sophomores in Civil and Geological Engineering and in Landscape Architecture

Elements of plane surveying: taping, transit, level, stadia, plane table, topographic surveying and mapping, care and adjustment of instruments; elementary astronomical surveying.

CE 202 SURVEYING II

3 (1-5) s

Prerequisite: CE 201

Required of sophomores in Civil Engineering and in Landscape Architecture

Construction surveys; earthwork computations; route surveys; simple, compound, parabolic and spiral curves; chainage equations.

CIVIL ENGINEERING

CE 211 CONSTRUCTION SURVEYING I

3 (1-5) f s

Prerequisite: MA 101

Required of sophomores in Civil Engineering Construction Option

Elements of plane surveying, including field and classroom work with particular emphasis on application of plane surveying for construction.

CE 212 CONSTRUCTION SURVEYING II

3 (1-5) s

Prerequisite: CE 211

Required of sophomores in Civil Engineering Construction Option

Construction layout, line and grade work, earthwork computations, route surveys and simple curves, with particular emphasis on construction applications.

CE 217 FORESTRY SURVEYING

4 (2-6) s

Prerequisite: MA 111

Required of sophomores in Forestry

Elements of plane and topographic surveying and mapping; U. S. Public Land Surveys; curves and earthwork; forestry surveying.

CE 305, 306 TRANSPORTATION ENGINEERING I, II

3 (3-2) f s

Prerequisite: CE 202

Required of juniors in Civil Engineering

Transportation systems; elements of railroad, highway, traffic and airport engineering; physical and mechanical properties of soils that govern their use as engineering materials.

CE 321 MATERIALS TESTING LABORATORY I

2 (1-3) f

Corequisite: EM 321 or EM 343

Required of juniors in Civil Engineering and Civil Engineering Construction Option

Properties of cementing materials, mortars, concretes, ceramic products, building stones; proportioning mortars and concretes; physical properties and performance characteristics of timber, plywood, glued construction and timber fastenings; ASTM standards.

CE 322 MATERIALS TESTING LABORATORY II

2 (1-3) s

Prerequisite: CE 321

Required of juniors in Civil Engineering and Civil Engineering Construction Option

Properties of structural metals, riveted and welded joints; failures of materials; significance of test results; selection of working stresses; field methods for measuring load, deflection and strain.

CE 324 ANALYSIS OF STRUCTURES I

3 (2-3) s

Prerequisite: EM 311

Required of juniors in Civil Engineering

Stress analysis of statically determinate beams and framed structures under fixed and moving loads; influence line treatment for moving loads; analysis and design of a simple truss.

CE 325 ELEMENTS OF STRUCTURAL DESIGN A

3 (2-3) f

Prerequisite: CE 334

Required of seniors in Construction

Elementary design of plain and reinforced concrete, including continuity problems.

CE 328 ELEMENTS OF STRUCTURAL DESIGN B

3 (2-3) s

Prerequisite: CE 325

Required of seniors in Construction

Elements of design of steel and timber; simple connections; problems in erection, forms, shoring and falsework.

CE 334 ELEMENTS OF STRUCTURAL ANALYSIS

3 (2-3) s

Prerequisite: EM 341

Required of juniors in Civil Engineering Construction Option

Analysis of beams and simple framed structures; graphical and analytical methods.

CE 338 STRUCTURES I

3 (3-0) f

Prerequisite: EM 311

Required of juniors in Architecture

Analysis of simple structures; reactions, shear and moment diagrams; stresses in members of framed structures; graphic statics.

CE 339 STRUCTURES II

3 (3-0) s

Prerequisites: CE 338 and EM 321

Required of juniors in Architecture

Analysis of indeterminate structures; slopes and deflections; analysis of indeterminate frames by moment distribution.

- CE 344 SOIL MECHANICS** **3 (3-0) s**
 Prerequisite: CE 305
 Required of juniors in Civil Engineering
 Fundamental stress relations, Mohr's rupture hypothesis, shearing strength, earth pressure theories, bearing capacity, stability of slopes, hydrostatics, and hydrodynamics of ground water.
- CE 351 DETAILS OF BUILDING CONSTRUCTION** **2 (2-0) f**
 Prerequisite: Junior standing
 Required of juniors in Heating and Air Conditioning
 Structural systems with particular emphasis on location of equipment.
- CE 357 ESTIMATES AND COSTS A** **3 (2-3) f**
 Prerequisite: Junior standing
 Required of juniors in Construction
 Analysis of construction plans and specifications; preparation of quantity surveys; approximate and detailed estimates of projects.
- CE 358 ESTIMATES AND COSTS B** **3 (2-3) s**
 Prerequisite: CE 357
 Required of juniors in Construction
 Preparation of complete cost estimates of construction projects; bidding procedures; preparation of bids.
- CE 361 ESTIMATES AND COSTS I** **3 (2-3) f**
 Prerequisite: Junior standing
 Required of juniors in Civil Engineering Construction Option
 Interpretation of working drawings; analysis of construction plans and specifications; approximate and detailed estimates of costs.
- CE 362 ESTIMATES AND COSTS II** **3 (2-3) s**
 Prerequisite: CE 361
 Required of juniors in Civil Engineering Construction Option
 Preparation of complete cost estimates of construction projects; bidding procedures and preparation of bids.
- CE 367 PROJECT PLANNING AND CONTROL A** **3 (2-3) f**
 Prerequisite: CE 358
 Required of seniors in Construction
 Studies of performance characteristics of construction equipment; analysis of plant layout requirements.
- CE 368 PROJECT PLANNING AND CONTROL B** **3 (2-3) s**
 Prerequisite: CE 367
 Required of seniors in Construction
 Complete organization analysis and scheduling of construction projects.
- CE 382 HYDRAULICS** **3 (3-0) f s**
 Prerequisite: EM 312
 Required of juniors in Civil Engineering
 Properties of fluids and mechanics of fluid flow in pipes and open channels; theory of design and characteristics of pumps and hydraulic motors; measurement of fluid flow.
- CE 390 INTRODUCTION TO SANITARY ENGINEERING** **1 (1-0) f s**
 Prerequisite: CH 102
 Elective
 Survey of sanitary engineering.

COURSES FOR ADVANCED UNDERGRADUATES

- CE 425 ANALYSIS OF STRUCTURES II** **3 (2-3) f**
 Prerequisites: CE 324 and EM 321
 Required of seniors in Civil Engineering
 Deflection of beams and trusses; indeterminate stress analysis by moment area slope deflection and moment distribution.
- CE 427 STRUCTURAL DESIGN I** **4 (3-3) f**
 Corequisite: CE 425
 Required of seniors in Civil Engineering
 Analysis and design of reinforced concrete building elements; design of tension, compression and simple flexural members of steel and of timber.
- CE 428 STRUCTURAL DESIGN II** **3 (1-6) s**
 Prerequisite: CE 427
 Required of seniors in Civil Engineering
 Design specifications; connection details; independent and complete design of engineering structures.

CIVIL ENGINEERING

- CE 433 ELEMENTS OF STRUCTURAL DESIGN I** 3 (2-3) f
 Prerequisite: CE 334
 Required of seniors in Civil Engineering Construction Option
 Elements of indeterminate analysis and design of plain and reinforced concrete.
- CE 434 ELEMENTS OF STRUCTURAL DESIGN II** 3 (2-3) s
 Prerequisite: CE 433
 Required of seniors in Civil Engineering Construction Option
 Design of tension, compression and flexural elements of steel and timber; solution of problems in erection, forms, shoring and falsework.
- CE 435 STRUCTURES III** 3 (2-2) f
 Prerequisite: CE 339
 Required of seniors in Architecture
 Principles of steel and timber design.
- CE 436 STRUCTURES IV** 4 (2-4) s
 Prerequisite: CE 435
 Required of seniors in Architecture
 Principles of reinforced concrete design and elements of foundations.
- CE 443 FOUNDATIONS** 3 (3-0) s
 Prerequisite: CE 433
 Required of seniors in Civil Engineering Construction Option
 Identification and classification of soils; geological aspects of foundation engineering; method of investigating subsoil conditions; control of water; types of foundations and conditions favoring their use; legal aspects of foundation engineering.
- CE 461 PROJECT PLANNING AND CONTROL I** 3 (2-3) f
 Prerequisite: CE 362
 Required of seniors in Civil Engineering Construction Option
 Analysis of construction plant layout requirements and performance characteristics of equipment.
- CE 462 PROJECT PLANNING AND CONTROL II** 3 (2-3) s
 Prerequisite: CE 461
 Required of seniors in Civil Engineering Construction Option
 Scheduling, analysis and control of construction projects.
- CE 464 LEGAL ASPECTS OF CONTRACTING** 3 (3-0) s
 Prerequisite: Senior standing
 Required of seniors in Civil Engineering Construction Option; elective
 Legal aspects of construction contract documents and specifications; owner-engineer-contractor relationships and responsibilities; bids and contract performance; labor laws.
- CE 481 HYDROLOGY AND DRAINAGE** 2 (2-0) f
 Prerequisite: EM 312
 Required of seniors in Civil Engineering
 Occurrence and distribution of rainfall; runoff, surface and ground waters; design of drainage and control structures.
- CE 482 WATER AND SEWAGE WORKS** 3 (3-0) s
 Prerequisite: Senior standing
 Required of seniors in Civil Engineering
 Water supply analysis and design, including population estimates, consumption, source selection, adequate, distribution systems and pumping stations; elements of water treatment; collection and disposal of sewage; elements of sewage treatment.
- CE 485 ELEMENTS OF HYDRAULICS AND HYDROLOGY** 3 (3-0) f
 Prerequisite: EM 342
 Required of seniors in Civil Engineering Construction Option
 Elements of fluid mechanics, hydraulics and hydrology, with application to problems in construction engineering.
- CE 492, 493 PROFESSIONAL PRACTICE I, II** 1 (1-0) f s
 Prerequisite: Senior standing
 Required of seniors in Civil Engineering and Civil Engineering Construction Option
 Professional engineering societies and their functions; professional standards; topics of current interest to the civil engineer.
- CE 497, 498 ENGINEERING CONSULTATION** 2 (1-2) f s
 Prerequisite: Fifth-year standing
 Required of fifth-year students in Architecture
 Discussion of engineering problems in architecture.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

- CE 507 AIRPHOTO ANALYSIS I** 3 (2-3) f s
Prerequisite: Junior standing
Engineering evaluation of aerial photographs, including analysis of soils and surface drainage characteristics.
- CE 508 AIRPHOTO ANALYSIS II** 3 (2-3) s
Prerequisite: CE 507
Engineering evaluation of aerial photographs for highway and airport projects.
- CE 510 ADVANCED SURVEYING** 3 (2-3) f s
Prerequisite: CE 202
Elements of astronomical, geodetic and photogrammetric surveying; coordinate systems and map projections.
- CE 513 MUNICIPAL ENGINEERING I** 3 (3-0) f
Prerequisite: Senior standing
Municipal engineering functions, planning and operating procedures.
- CE 514 MUNICIPAL ENGINEERING II** 3 (2-3) s
Prerequisite: CE 513
Special problems relating to public work, public utilities, urban planning, and city engineering.
- CE 515 TRANSPORTATION ANALYSIS** 3 (3-0) f
Prerequisite: CE 306
An analysis of the development and operation of transportation industries.
- CE 516 TRANSPORTATION PLANNING** 3 (2-3) s
Prerequisite: CE 515
Transportation planning as related to the transportation industry, to urban planning and to land usage.
- CE 521, 522 ADVANCED STRUCTURAL DESIGN I, II** 3 (2-3) f s
Prerequisite: CE 425
Complete structural designs of a variety of projects; principles of limit and prestress design.
- CE 524 ANALYSIS AND DESIGN OF MASONRY STRUCTURES** 3 (3-0) s
Prerequisite: CE 425
Analysis and design of arches, culverts, dams, foundations and retaining walls.
- CE 531 EXPERIMENTAL STRESS ANALYSIS** 3 (2-3) f
Prerequisite: CE 425
Principles and methods of experimental analysis; dimensional analysis; applications to full-scale structures.
- CE 532 STRUCTURAL LABORATORY** 3 (1-6) s
Prerequisite: CE 531
Test procedures and limitations and interpretation of experimental results.
- CE 544 FOUNDATION ENGINEERING** 3 (3-0) f s
Prerequisite: CE 344
Subsoil investigations: excavations; design of sheeting and bracing systems; control of water; footing, grillage and pile foundations; caisson and cofferdam methods of construction; legal aspects of foundation engineering.
- CE 547 FUNDAMENTALS OF SOIL MECHANICS** 3 (3-0) f s
Prerequisite: EM 321
Physical and mechanical properties of soils governing their use for engineering purposes; stress relations and applications to a variety of fundamental problems.
- CE 548 SOIL TESTING FOR ENGINEERING PURPOSES** 3 to 6 (arrange) f s
Prerequisite: CE 344 or CE 547
Qualitative and quantitative soil testing procedures for engineering purposes.
- CE 570 SANITARY MICROBIOLOGY** 3 (2-3) f s
Prerequisite: BO 412
Dynamics of disinfection and bacteriostasis; microbiology of water and sewage and of sewage treatment processes.
- CE 571 THEORY OF WATER AND SEWAGE TREATMENT** 3 (3-0) f
Prerequisite: Senior standing
Study of the physical and chemical principles underlying water and sewage treatment processes; diffusion of gases, solubility, equilibrium and ionization, anaerobic and aerobic stabilization processes, sludge conditioning and disposal.

CIVIL ENGINEERING

- CE 572 UNIT OPERATIONS AND PROCESS IN SANITARY ENGINEERING** 3 (1-6) s
 Prerequisite: CE 571
 Processes and operations in sanitary engineering; sedimentation, aeration, filtration, adsorption, coagulation, softening, sludge digestion, aerobic treatment of sewage.
- CE 573 ANALYSIS OF WATER AND SEWAGE** 3 (1-6) f
 Corequisite: CE 571
 Chemical and physical analysis of water and sewage and interpretation of results.
- CE 591, 592 CIVIL ENGINEERING SEMINAR** 1 (1-0) f s
 Discussions and reports of subjects in civil engineering and allied fields.
- CE 598 CIVIL ENGINEERING PROJECTS** 1 to 6 (arrange) f s
 Special projects in some phases of civil engineering.

COURSES FOR GRADUATES ONLY

- CE 601, 602 ADVANCED TRANSPORTATION ENGINEERING I, II** 3 (3-0) f s
 Corequisite: CE 515
 Analysis of the engineering aspects of traffic and transportation problems.
- CE 603 TRANSPORTATION ENGINEERING DESIGN I** 3 (2-3) f
 Corequisite: CE 601
 The basic elements of traffic and transportation engineering design.
- CE 604 TRANSPORTATION ENGINEERING DESIGN II** 3 to 6 (arrange) s
 Prerequisite: CE 603
 Corequisite: CE 516
 The analysis, planning and design of major transportation engineering projects.
- CE 621, 622 ADVANCED STRUCTURAL ANALYSIS I, II** 3 (3-0) f s
 Prerequisite: CE 425
 Analysis of rigid frames and continuous structures; treatment of redundant members and secondary stresses.
- CE 624 THEORY AND DESIGN OF ARCHES, THIN SHELLS AND DOMES** 3 (3-0) s
 Prerequisite: CE 621
 Corequisite: EM 602
 Analysis and design of hinged and rigid arches of both frame and rib construction; and of thin shells and domes.
- CE 626 STRUCTURAL CONNECTIONS** 3 (3-0) s
 Prerequisite: CE 621
 Analysis of stresses in simple, rigid and semi-rigid connections; critical review of specifications.
- CE 641, 642 ADVANCED SOIL MECHANICS** 3 (3-0) f s
 Prerequisite: CE 344 or
 Corequisite: CE 547
 Theories of soil mechanics; failure conditions; mechanical interaction between solids and water, and problems in elasticity pertaining to earthwork engineering.
- CE 643 HYDRAULICS OF GROUND WATER** 3 (3-0) f s
 Prerequisite: CE 344 or 547
 Principles of ground water hydraulics; theory of flow through idealized porous media; the flow net solution; seepage and well problems.
- CE 671 ADVANCED WATER SUPPLY AND SEWERAGE** 4 (3-3) f
 Prerequisite: CE 482
 Problems relating to the design of water supply and sewerage works.
- CE 672 ADVANCED WATER AND SEWAGE TREATMENT** 4 (3-3)s
 Prerequisite: CE 482
 Problems relating to the treatment of water and sewage.
- CE 673 INDUSTRIAL WATER SUPPLY AND WASTE DISPOSAL** 3 (3-0) f s
 Corequisite: CE 571
 Water requirements of industry and the disposal of industrial wastes.
- CE 674 STREAM SANITATION** 3 (3-0) f s
 Corequisite: CE 571
 Biological, chemical and hydrological factors that affect stream sanitation and stream use.
- CE 698 CIVIL ENGINEERING RESEARCH** 1-6 (arrange) f s
 Independent investigation of an advanced civil engineering problem; a report of such an investigation is required as a graduate thesis.

— — — **DAIRY MANUFACTURING (ANIMAL INDUSTRY)**

COURSES FOR UNDERGRADUATES

DM 400 PLANT EXPERIENCE

Maximum 6

Prerequisite: Approval of adviser

Practice in processing dairy products, including milk, ice cream, cheese, butter, and concentrated milks; application of laboratory control; and practice in dairy equipment maintenance. Required of all Dairy Manufacturing majors, unless proof of equivalent experience can be shown.

Staff

DM 401 MARKET MILK AND RELATED PRODUCTS

3 (2-3) s

Prerequisite: Approval of instructor

Principles and information on the production, processing, distribution, and public health control of fluid milk and related products.

Messrs. Roberts, Blanton

DM 402 CHEESE

3 (2-3) s

Prerequisite: Approval of instructor

Principles and practice in the manufacture and curing of various types of cheese; importance and propagation of cheese starters.

Mr. Warren

DM 403 ICE CREAM AND RELATED FROZEN DAIRY FOODS

3 (2-3) f

Prerequisite: Approval of instructor

Choice, preparation, and processing of ingredients and freezing of ice cream and other frozen desserts.

Mr. Warren

DM 404 BUTTER AND DAIRY BY-PRODUCTS

3 (2-3) s

Prerequisite: Approval of instructor

A study of the fundamentals of buttermaking, and the principles of manufacturing concentrated and dried milks.

Mr. Warren

DM 405 DAIRY MECHANICS

1 (0-3) f

Prerequisite: Dairy Engineering, AGE 331

Laboratory practice in the operation and maintenance of dairy plant equipment and refrigeration systems; malfunctions of electrical systems; installation of sanitary milk lines, and water lines.

Mr. Blanton

DM 406 JUDGING DAIRY PRODUCTS

1 (0-3) s

Prerequisite: Approval of instructor

Milk and dairy products judging according to official standards and commercial grades.

Mr. Warren

DM 407 DAIRY BACTERIOLOGY I

4 (2-4) f

Prerequisite: General Bacteriology, BO 412

Applications of the principles of bacteriology to the production of quality milk and maintenance of quality in processing milk and milk products; various desirable and undesirable activities of bacteria in milk; methods of enumerating bacteria; detecting certain groups of bacteria of particular importance; and the relationships of bacteria in milk to public health.

Mr. Speck

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

DM 501 ADVANCED DAIRY TECHNOLOGY

3 (1-6) f

Prerequisite: Approval of instructor

The functions and operations of a dairy control laboratory; a comprehensive study of methods of analyses of dairy products and related non-dairy products; the application and interpretations of methods for quality and composition control of dairy products.

Mr. Warren

DM 504 DAIRY PLANT MANAGEMENT

4 (3-2) s

Prerequisite: Approval of instructor

Business and factory management practices as used in the dairy plant.

Mr. Roberts

DESIGN

DM 506 DAIRY BACTERIOLOGY II

3 (0-6) s

Prerequisite: Dairy Bacteriology I, DM 407, or consent of instructor

A detailed study of bacteria particularly involved in the dairy industry regarding their physiology, morphology, and cultural characteristics with application to practical dairy farm and plant problems.

Mr. Speck

DM 508 DAIRY CHEMISTRY

3 (1-4) f

Prerequisite: Approval of instructor

A qualitative study of the physical, colloidal, and chemical properties of milk and its constituents.

Mr. Aurand

COURSES FOR GRADUATES ONLY

DM 601 SEMINAR IN DAIRY MANUFACTURING

1 (1-0) f s
1 credit per term

Prerequisite: Graduate standing in Dairy Manufacturing

Scientific articles, progress reports in research and special problems of interest are reviewed and discussed. A maximum of two credits is allowed toward the Master's degree, but any number toward the Doctorate.

Staff

DM 602 ADVANCED DAIRY CHEMISTRY

4 f s

Prerequisite: Approval of instructor

A quantitative study of the physical, colloidal, and chemical properties of milk and its constituents.

Mr. Aurand

DM 603 ADVANCED DAIRY BACTERIOLOGY

4 f s

Prerequisite: Approval of instructor

Industrial fermentations used or applicable in the utilization of surplus milk and milk products. The student conducts various fermentations and makes the requisite chemical and biological measurements in order to determine yields and efficiency of the process.

Mr. Speck

DM 604 TOPICAL PROBLEMS IN DAIRY MANUFACTURING

1 to 3 credits per term

Prerequisite: Graduate standing in Dairy Manufacturing

Special problems in various phases of dairy manufacturing. A maximum of six credits is allowed.

Staff

DM 605 RESEARCH IN DAIRY MANUFACTURING

Credits by arrangement

Prerequisite: Graduate standing in Dairy Manufacturing

A maximum of six credits is allowed toward the Master's Degree; no limitation on credits in Doctorate programs.

Staff

DESIGN

COURSES FOR UNDERGRADUATES

DN 101, 102 DESIGN I, II

3 (3-6) f s

Required of all first year students in the School of Design

Introduction to the elements and expression of two and three dimensional design involving a variety of tools, materials, and techniques. Orientation of historical and contemporary concepts of art and architecture.

Messrs. Gussow and Laskey

DN 111, 112 DESCRIPTIVE DRAWING I, II

3 (0-4) f s

Required of all first year students in the School of Design

Problems in analysis of visual perception with emphasis placed on the various systems man has developed to reduce visual experience into a two dimensional frame of reference. Freehand studies from nature as a means of studying drawing methods.

Messrs. Cox and Stuart

DN 201, 202 DESIGN III, IV

4 (3-6) f, 5 (3-6) s

Prerequisite: DN 102

Required of all second year students in the School of Design

The design sequence for this year seeks the solutions of problems which will tax the student's imaginative powers without making unreasonable demands on his newly gained technical abilities. Emphasis is placed on the architectural application of more general design principles to which the student has been previously exposed.

Messrs. Stuart and Elliott

ECONOMICS

DN 211, 212 DESCRIPTIVE DRAWING III, IV

Prerequisite: DN 112

2 (0-4) f s

Required of all second year students in the School of Design

Problems involving both analysis and synthesis whereby the student continues with the studies begun in the freshman year with the added element of learning to create images of possible visual experience wholly from imaginative process.

Messrs. Stuart and Adams

DN 311, 312 DESCRIPTIVE DRAWING V, VI

Prerequisite: DN 212

2 (0-6) f s

Required of all third year students in the School of Design

Problems involving the creative aspects of drawing, graphic arts, painting and sculpture. Type of classwork varies with instructor.

Messrs. Stuart and Adams

DN 331, 332 HISTORY OF DESIGN I, II

Prerequisite: DN 102

3 (3-0) f s

Required of all third year students in the School of Design

A critical study of the civilization of historic people and their contributions in the field of Design, (from ancient through medieval times), related to architecture, landscape architecture and visual aids.

Messrs. Baumgarten and Elliott

DN 411, 412 DESCRIPTIVE DRAWING VII, VIII

Prerequisite: DN 312

2 (0-6) f s

Required of all fourth year students in the School of Design

Continuation, at a more complex level, of work begun in third year.

Mr. Cox

DN 422, 521 OFFICE PROCEDURE I, II

Prerequisite: ARC 302

2 (2-0) s f

Required of all fourth and fifth year students in the School of Design

A study of the ethics, organization, and procedures of professional architectural practice; specifications, estimates and building codes.

Mr. Shumaker

DN 431, 432 HISTORY OF DESIGN III, IV

Prerequisite: DN 332

3 (3-0) f s

Required of all fourth year students in the School of Design

A continuation of the course DN 332 from the Renaissance Period through the Age of Reason till the Middle of the XIX Century.

Messrs. Baumgarten and Elliott

DN 511, 512 DESCRIPTIVE DRAWING IX, X

Prerequisite: DN 412

2 (0-6) f s

Required of all fifth year students in the School of Design

Continuation of third and fourth year work into "thesis" type activities wherein more mature projects may be undertaken.

Mr. Stuart

DN 531 HISTORY OF DESIGN V

Prerequisite: DN 432

3 (3-0) f

Required of all fifth year students in the School of Design

A critical study of the modern life and design in relation to social and cultural conditions, based on the spirit of the XIX and XX Centuries.

Mr. Baumgarten

DN 541, 542 PHILOSOPHY OF DESIGN I, II

Prerequisite: ARC 402

2 (2-0) f s

Required of all fifth year students in the School of Design

An introduction to aesthetics and the relationships of philosophic thought to design.

Mr. Kamphoefner and Visiting Professors

ECONOMICS

EC 201, 202 ECONOMICS

Fundamental principles applying to the organization and functioning of our economy.

3 (3-0) f s

EC 205 THE ECONOMIC PROCESS

An analysis of the process and principles by which an economy allocates resources, distributes goods and income and determines rate of growth.

3 (3-0) f s

ECONOMICS

EC 305 BUSINESS ORGANIZATION

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A survey of business organization, operation, and practices. Special emphasis is given to the forms of business enterprises, principles of management, and the relation of the business unit to the economic system.

EC 312 ACCOUNTING FOR ENGINEERS

3 (3-0) f s

A survey of accounting principles; the analysis and recording of business transactions; financial statements, their construction, use and interpretation.

EC 315 SALESMANSHIP

2 (2-0) f s

An introduction to the principles and techniques of selling from the standpoint of the individual salesman. A course designed for the technical student anticipating entering the field of distribution.

EC 350 ECONOMIC GEOGRAPHY

3 (3-0) s

A study of world resources and industries and their relationship to trade and manufacturing. Distribution of the principal commodities of world commerce. An analysis of the world's important agricultural, industrial and commercial regions.

EC 354 MANAGING PERSONAL FINANCES

2 (2-0) f s

How to control cash income and outgo so that money goes where it does the best job. Use of family time and talent to increase income and cut expenses; meeting emergencies; use and abuse of personal credit; buying or building a house; savings and their uses; elementary investments; filling tax returns; trust funds and pensions.

EC 401, 402 PRINCIPLES OF ACCOUNTING

3 (2-2) f s

Fundamental principles of accounting theory and practice; the analysis and recording of business transactions; explanation and interpretation of the structure, forms, and use of financial statements.

EC 407 BUSINESS LAW I

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A course dealing with elementary legal concepts, contracts, agency, negotiable instruments, sales of personal property, chattel mortgages, partnerships, corporations suretyship and bailments, insurance.

EC 408 BUSINESS LAW II

3 (3-0) f s

Prerequisite: EC 407
Deals with real property, mortgages on urban and farm lands, landlord and tenant, requirements for valid deed, insurance law, wills, suretyship and conditional sales.

EC 409 CONSTRUCTION ACCOUNTING

3 (2-2) f s

Prerequisite: EC 312
An introduction to the accounting problems peculiar to a construction organization. An analysis of the problems of estimating and allocating the costs of materials, labor and overhead to individual jobs.

EC 410 MANUFACTURING ACCOUNTING

3 (2-2) s

Prerequisite: EC 312 or EC 401
An introduction to the accounting problems peculiar to a manufacturing organization. An analysis of the problems of estimating and allocating the costs of materials, labor and overhead to the various units of product.

EC 411, 412 MARKETING METHODS AND SALES MANAGEMENT

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
Marketing institutions and their functions and agencies; retailing; market analysis; problems in marketing; elements of sales management with emphasis on planning, operations, policies and programs.

EC 414 TAX ACCOUNTING

3 (2-2) f s

Prerequisite: EC 312 or EC 401
An analysis of the Federal tax laws relating to the individual and business. Determining and reporting income. Payroll taxes and methods of reporting them. Actual practice in the preparation of income tax returns.

EC 415 ADVERTISING

2 (2-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
Principles of advertising; purposes; preparation of copy; media; advertising campaigns; legislation.

EC 419 MONEY AND BANKING

2 (2-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A study of the role of money in the economic organization; methods of stabilizing the price level; study of the proper organization and functioning of commercial banking, and the Federal Reserve system; the problems of monetary standards and credit controls; recent monetary and banking trends are emphasized.

EC 420 CORPORATION FINANCE

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
Financial instruments and capital structure; procuring funds; managing working capital; managing corporate capitalization; financial institutions and their work.

EC 425 INDUSTRIAL MANAGEMENT

3 (3-0) f

Prerequisite: Junior standing
Principles and techniques of modern scientific management; relation of finance, marketing, industrial relations, accounting, and statistics to production; production planning and control; analysis of economic, political, and social influences on production.

EC 426 PERSONNEL MANAGEMENT

3 (3-0) s

Prerequisite: Junior standing
The scientific management of manpower, from the viewpoint of the supervisor and the personnel specialist. A study of personnel policy and a review of the scientific techniques regarding the specific problems of employment, training, promotion, transfer, health and safety, employee service, and joint relations.

EC 431 LABOR PROBLEMS

2 (2-0) f s

Prerequisite: Junior standing
An economic approach to labor problems including wages, hours, working conditions, insecurity, substandard workers, minority groups, social security, and public policy relative to these problems.

EC 432 INDUSTRIAL RELATIONS

2 (2-0) f s

Prerequisite: Junior standing
Collective bargaining. Analysis of basic labor law and its interpretation by the courts and governmental agencies. An examination of specific terms of labor contracts and their implications for labor and management. An examination of labor objectives and tactics and management objectives and tactics. Problems of operating under the labor contract.

EC 436 ECONOMIC FLUCTUATIONS

2 (2-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
An empirical and theoretical analysis of changes in the level of economic activity. These changes will be examined as to causes, extent and timing, and effects.

EC 442 EVOLUTION OF ECONOMIC IDEAS

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
An analysis of the development of economic thought and method during the past two centuries. Economics considered as a cumulative body of knowledge, in a context of emerging technology, changing institutions, pressing new problems, and the growth of science.

EC 444 ECONOMIC SYSTEMS

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A comparative analysis of the functioning of the major economic systems, with emphasis upon the ways in which the problem of economic calculation is approached in a variety of institutional settings.

EC 501 INTERMEDIATE ECONOMIC THEORY

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A systematic theoretical treatment of the functioning of a modern economy with special emphasis upon the pricing system.

EC 503 ADVANCED ACCOUNTING

3 (2-2) f s

Prerequisites: The basic course in Economics required by the degree-granting school, and EC 401, 402
Problems of asset valuation, such as depreciation, replacements, amortization, etc., as found in all types of business organizations: branch accounting, consolidations, installment selling.

EC 504, 505 PRINCIPLES OF COST ACCOUNTING

3 (2-2) f s

Prerequisites: The basic course in Economics required by the degree-granting school, and EC 401, 402
Cost finding, materials costs, labor costs, overhead costs, etc., with an introduction to standard cost procedures.

EC 510 PUBLIC FINANCE

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A study of fiscal policy and analysis of the fiscal devices of government, including expenditure, taxation, and borrowing.

EC 514 INTERNATIONAL ECONOMICS

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
An analysis of international economic relations including trade, investment, and the payments problem, with continuing consideration of policy.

ECONOMICS

EC 515 INVESTMENTS

3 (3-0) s

Prerequisite: The basic course in Economics required by the degree-granting school
Types of investment; investment market; investment analysis; investment channels; investment fluctuations; investment policies and practices.

EC 518 PRINCIPLES OF INSURANCE

2 (2-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
Risk as an element of all agricultural and industrial activity; discussion of such risks as can be covered by insurance with the appropriate forms of insurance, e.g., employer's liability, workmen's compensation, fire, life, and other forms.

EC 519 MONETARY THEORY

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A study of the forces determining the value of money; the role of money in economic growth and in the maintenance of economic stability; and a consideration of monetary policy.

EC 521 OFFICE MANAGEMENT

3 (3-0) f s

Prerequisite: Open to seniors and graduate students only
The application of scientific management principles to office problems including: office planning and layout, equipment, filing, correspondence, selection, training and supervision of office employees, promotions and wage increases, office costs and budgets.

EC 531 MANAGEMENT OF INDUSTRIAL RELATIONS

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
A seminar course designed to round out the technical student's program. Includes a survey of the labor movement organization and structure of unions, labor law and public policy, the union contract, the bargaining process, and current trends and tendencies in the field of collective bargaining.

EC 540 ECONOMIC GROWTH AND DEVELOPMENT

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
An introduction to the theory of economic growth and development, with special application to the presently under-developed areas of the world.

EC 546 NATIONAL INCOME ANALYSIS

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
This course is designed to acquaint the student with the concepts and methods of national income analysis; to develop a theoretical framework; and to provide an application to the American Economy.

EC 548 ECONOMICS OF WELFARE

3 (3-0) f s

Prerequisite: The basic course in Economics required by the degree-granting school
An analysis of the efficiency of our economy, including resource allocation, rate of growth, degree of stability, and income distribution.

EC 550 MATHEMATICAL MODELS IN ECONOMICS

3 (3-0) f s

Prerequisites: The basic course in Economics required by the degree-granting school, MA 202 or 212, and consent of the instructor
An introductory study of economic models emphasizing their formal properties. The theory of individual economic units is presented as a special case of the theory of inductive behavior. Mathematical discussions of the theory of the consumer, the theory of the firm, and welfare economics will show the relevance of such topics as constrained maxima and minima, set theory, partially and simply ordered systems, probability theory, and game theory to economics.

EC 555 INTRODUCTION TO LINEAR PROGRAMMING

3 (3-0) f s

Prerequisites: The basic course in Economics required by the degree-granting school, and MA 202 or 212, and consent of the instructor
Recent developments in the theory of production, allocation, and organization. Optimal combination of integrated productive processes within the firm. Applications in the economics of industry and of agriculture.

EC 601 ADVANCED ECONOMIC THEORY

3 (3-0) f s

Prerequisite: EC 501
A rigorous examination of contemporary economic theory, with special regard to such fields as general equilibrium theory, growth theory, and organization theory.

EC 603 HISTORY OF ECONOMIC THOUGHT

3 (3-0) f s

Prerequisite: EC 501 or consent of instructor
A systematic analysis of the development and cumulation of economic thought, designed in part to provide a sharper focus and more adequate perspective for the understanding of contemporary economics.

EC 605 RESEARCH IN ECONOMICS

Arranged

Prerequisite: Consent of instructor
Individual research in economics, under staff supervision and direction.

EDUCATION

Agricultural Education

See pages 175-176 for: ED 101; 102; 201; 313; 411; 412; 413; 430; 554; 558; 563.
568; 616; 617; 618; 621 and 664

Industrial Arts and Industrial Education

See pages 236-239 for: ED 100; 345; 422; 440; 460; 482; 483; 516; 521; 525; 527;
528; 592; 595; 610; 614; 619; 624; 627; 630; 635.

Industrial and Rural Recreation

See pages 231-235.

Mathematics and Science Education

See pages 246-247 for: ED 470; 471; 475; 476.

Occupational Information and Guidance

See pages 257 for: ED 420; 524; 530; 531; 590; 631; 633; 641; 651.

Psychology

See pages 268-271.

GENERAL COURSES

ED 203 AN INTRODUCTION TO TEACHING

2 (2-0) s

A course designed to aid prospective teachers in becoming familiar with the scope and purposes of secondary education, the qualification and responsibilities of teachers, the relation of the school to the community, and current problems of secondary school teachers.

Mr. Speece

ED 308 VISUAL AIDS

2 (1-2) s

Methods and techniques of visual instruction; lettering; statistical illustration; chart, graph, and poster-making; photography; projector operation, care, and use.

Mr. Armstrong

ED 344 SECONDARY EDUCATION

2 (1-2) f s

An overview of secondary education, including development, problems, services, trends, teaching profession, role of school in the community, purposes, and objectives. The development and status of secondary education in North Carolina is taken up.

Mr. Tolbert

ED 410 DRIVER EDUCATION

3 (2-2) s

Course offered during Summer session only.

The principles of teaching the basic driving skills, including the new concept of defensive driving, observance and interpretation of motor vehicle laws, adverse driving conditions, handling of accident situations and care of the car.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ED 501 EDUCATION OF EXCEPTIONAL CHILDREN

3 (2-2) f

Prerequisite: Six hours in education or psychology

Advanced undergraduates or graduates

Discussion of principles and techniques of teaching the exceptional child with major interest on the mentally handicapped and slow learner. Practice will be given in curriculum instruction for groups of children, individual techniques for dealing with retarded children in the average classroom. Opportunity for individual work with an exceptional child will be provided.

Mr. Corter

ED 502 ANALYSIS OF READING ABILITIES

3 (3-0) f

Prerequisites: Six hours in education or psychology

A study of tests and techniques in determining specific abilities; a study of reading retardation and factors underlying reading difficulties.

Mr. Rust

ELECTRICAL ENGINEERING

ED 503 IMPROVEMENT OF READING ABILITIES

3 (3-0) s

Prerequisite: Six hours in education or psychology

A study of methods used in developing specific reading skills or in overcoming certain reading difficulties; a study of methods used in developing pupil vocabularies and word analysis skills; a study of how to control vocabulary burden of reading material.

ED 505 GROUP DYNAMICS IN TEACHING

3 (Summer only)

Prerequisites: Six hours in education or psychology

A study of group methods in teaching with special reference to role playing, conference techniques, and group dynamics in their application to teaching and an understanding of the student's behavior.

Mr. Solem

ED 509 WORKSHOP IN SPECIAL EDUCATION

3-6 (1-4) s

Prerequisite: Three hours in special education and a teaching certificate

The workshop in special education combines a practicum in special education with work on individual projects in a workshop situation. Wide latitude is given to teachers to work in areas of special interests or need. In addition to usual group meetings, materials are collected in handbook form each year for teachers use.

Mr. Corter

ED 510 ADVANCED DRIVER EDUCATION

3 (2-2) s

The study of course content in present day driver education courses: Evaluation of research literature in driver education; a study of existing driver education programs at both secondary and college levels; and evaluation of psychological and educational research in accidents.

ED 552 INDUSTRIAL ARTS IN THE ELEMENTARY SCHOOL

3 (Summer)

Prerequisites: Twelve credits in education and consent of instructor

This course is organized to help elementary teachers and principals understand how tools and materials and industrial processes may be used to vitalize and supplement the elementary school children's experiences. Practical children's projects along with the building of classroom equipment.

Mr. Schmitt

ED 615 INTRODUCTION TO EDUCATIONAL RESEARCH

3 (3-0) f

An introductory course for students preparing for an advanced degree. The purposes are: to assist the student in understanding the meaning and purpose of educational research and the research approach to problems; to develop students' ability to identify educational problems, and to plan and carry out research to solve these problems; to aid in the preparation of the research report. Special attention is given to tools and methods of research. Consideration is also given to the educators as consumer, research.

Mr. Tolbert

ELECTRICAL ENGINEERING — — — — —

COURSES FOR UNDERGRADUATES

EE 201 ELEMENTARY CIRCUITS AND FIELDS

4 (2-5) f s

Co-requisite: MA 201

Required of sophomores in EE

Fundamental laws of electric circuits and magnetic circuits. Problem drill and laboratory exercises.

Staff

EE 202 ELEMENTARY CIRCUITS AND FIELDS

4 (2-5) s

Prerequisite: EE 201

Required of sophomores in EE

A continuation of EE 201. Introduction to simple circuit transients and steady-state alternating-current circuit theory. Fundamental laws of magnetic fields and electric fields. Problem drill and laboratory exercises.

Staff

EE 301, 302 INTERMEDIATE CIRCUITS AND FIELDS

4 (2-5) f

3 (2-2) s

Prerequisite: EE 202, PY 202, MA 202

Required of Juniors in EE

An intermediate treatment of lumped-constant alternating-current circuits in the steady state. Single- and three-phase circuits. Discussion of electric and magnetic fields, distributed constants, and traveling waves. The theory of transmission lines at power and audio frequencies. Filters and impedance matching. One three-hour laboratory per week is included in the first semester.

Staff

ELECTRICAL ENGINEERING

EE 305, 306 ELECTRICAL MACHINERY

4 (2-5) f s

Prerequisites: EE 202 for EE 305; EE 301 for EE 306

Required of Juniors in EE

A classroom and laboratory study of the principles, performance, and characteristics of direct current and alternating current machinery.

Staff

EE 310 ILLUMINATION

3 (2-3) f

Prerequisites: EE 301 or EE 320 or EE 331

A classroom and laboratory study of the principles involved in the production and utilization of light from artificial sources; a study of the requirements for good lighting; and design of lighting installations for schools and industry. Two hours recitation and one three-hour laboratory or problem period per week.

Mr. Winkler

EE 320 ELEMENTS OF ELECTRICAL ENGINEERING

4 (3-3) f s

Prerequisites: MA 202, PY 202

Required of seniors in AER, AGE, CRE, CHE, GEE, IE, CE, and NE

Principles, characteristics and operation of electric equipment and systems. Theory and problems in applied electricity; motor characteristics and industrial applications. Three hours of lecture and one three-hour laboratory or recitation per week.

Staff

EE 331, 332 PRINCIPLES OF ELECTRICAL ENGINEERING

4 (3-3) f s

Prerequisites: MA 202, PY 202

Required of seniors in EPY and ME

Basic concepts, electrical power generation and utilization circuit elements, single and polyphase a.c. circuits, transformers, rotating electrical machines. Fundamentals of Electronics and control circuits. Three hours of lecture and one three-hour recitation or laboratory per week.

Staff

EE 341, 342 INDUSTRIAL ELECTRICITY

4 (3-2) f s

Prerequisites: PY 211, 212

Required of juniors in Heating and Air Conditioning curriculum.

A study of the basic electric circuits and machinery with emphasis on single phase and three phase power and energy relations, the performance, maintenance, and applications of motors and transformers; motor control; rules for wiring as specified by the National Electric Code. (Three hours work lecture and three hours work recitation or laboratory per week.)

Staff

EE 350 ELECTRICAL APPLICATIONS IN WOOD PRODUCTS MANUFACTURING 3 (2-2)

Prerequisites: PY 211, 212

Required of juniors in Pulp and Paper Technology curriculum

Optional for juniors or seniors in Furniture Manufacturing and Management

A study of electrical power applications in the pulp and paper industries, and in furniture manufacturing. Includes a.c. and d.c. circuits; single phase and polyphase power and energy measurements; d.c. and a.c. motors; and control systems. Two hours recitation and one three-hour laboratory or problem per week.

Staff

COURSES FOR ADVANCED UNDERGRADUATES

EE 411, 412 ELECTRICAL ENGINEERING SENIOR SEMINAR

1 (0-2) f s

Prerequisite: Senior standing

Required of seniors in Electrical Engineering

Weekly meetings for the delivery and discussion of student papers on topics of current interest in Electrical Engineering.

Staff

EE 414 ELECTRON TUBES

4 (3-3) s

Prerequisites: EE 301, MA 202

Required of juniors in EE

A study of the fundamentals of electrical conduction in vacuum and gases. Operating characteristics of vacuum and gaseous tubes, mercury arc rectifiers, photoelectric cells, cathode-ray oscilloscopes, etc. Introduction to vacuum tube circuit theory. One laboratory period a week illustrates the theory covered during lecture and recitation periods.

Staff

EE 416 CENTRAL STATIONS

3 (3-0) s

Prerequisite: EE 306

Location and layout of power stations. Costs of generating, transmitting, and distributing electric energy. Economic selection and operations of electrical equipment. Rate-making, federal regulation.

Mr. Fouraker

ELECTRICAL ENGINEERING

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

EE 501, 502 ADVANCED ELECTRIC CIRCUITS AND FIELDS

3 (2-2) f s

Prerequisite: EE 302, MA 401

Required of seniors in EE

A continuation of the study of electric circuits and fields. Consideration of the transient state in electrical circuits, transformation techniques for the solution of problems. Application of classical electric and magnetic field theory to the problems of electrical engineering, using vector analysis.

Mr. Gauster

EE 510 HIGH VOLTAGE LABORATORY

1 (0-3) f s

Prerequisites: EE 302, PY 401

A laboratory course in the techniques of producing and handling high voltages. Corona, surface discharge, breakdown, and other phenomena are studied. Typical high voltage tests are performed on dielectrics.

Mr. Gauster

EE 511, 512 ELECTRIC COMMUNICATIONS

4 (3-3) f s

Prerequisites: EE 302, 414

Required of EE seniors not taking EE 513, 514

A classroom and laboratory study of the circuits and equipment involved in radio and wire communication: circuit elements, vacuum tube and transistor and oscillators, modulation, detection, antennas and radio propagation. Emphasis is on design and quantitative analysis.

Mr. Carson

EE 513, 514 ELECTRIC POWER ENGINEERING

4 (3-3) f s

Prerequisite: EE 302

Required of EE seniors not taking EE 511, 512

Long distance transmission of power. Line parameters by the method of geometric mean distances. Circle diagrams, symmetrical components, and fault calculations. elementary concepts of power system stability. Prime movers, bus systems, and switchgear. Loads and the selection of motors for various industrial applications. One three-hour laboratory per week accompanies the classroom study.

Mr. Stevenson

EE 515 INDUSTRIAL ELECTRONICS AND CONTROL

4 (3-3) f

Prerequisites: EE 306, 414

A study, with laboratory tests, of the application of electronic devices to industrial processes and equipment outside of the field of communications. Speed and voltage control; timing devices; electronics heating; air purification; production and quality control; photo electric devices.

Staff

EE 516 FUNDAMENTALS OF SERVOMECHANISMS

4 (3-3) s

Prerequisites: MA 401, and either EE 302 or 322

Dynamics and synthesis of closed-loop control systems using transient and sinusoidal analyses. Applications to electrical, mechanical and chemical systems. One two-hour laboratory or problem period per week to supplement the classroom work.

Staff

EE 605, 606 ELECTRICAL ENGINEERING SEMINAR

1 (1-0) f s

Prerequisite: Graduate standing in EE

A series of papers and conferences participated in by the instructional staff, invited guests, and students who are candidates for advanced degrees.

Graduate Staff

EE 611, 612 COMMUNICATION NETWORKS

4 (4-0) f s

Prerequisites: EE 302, 501

Steady state and transient performance of the generalized network. Analysis and synthesis of two-and four-terminal reactive networks. Wave filters and phase equalizers. Networks containing resistances and reactances. Feedback systems, such as feedback amplifiers, regulators, and servomechanisms. The study includes both the analysis and the synthesis of such systems, in terms of transient and steady-state response, using mathematical methods based on the theory of the complex variable.

Mr. Hoadley

EE 615 ELECTROMAGNETIC WAVES

4 (3-3) f

Prerequisite: EE 502

Maxwell's Equations applied to a study of the propagation of energy by electromagnetic waves. Vector and scalar potentials, retarded potentials, reflection and refraction power flow and energy density; plane rectangular and cylindrical wave guides; lines and cavity resonators. Laboratory on microwave techniques and measurements.

Mr. Carson

EE 616 ADVANCED RADIO ENGINEERING**4 (3-3) s**

Prerequisites: EE 512, 615

Analysis and design of microwave transmitting, receiving and measuring systems. Electronic methods of pulsing, timing, counting, gating and computing with applications to communication, navigation, radar and computer systems. Theory and application of klystrons, magnetrons, and traveling-wave tubes. Laboratory emphasizes non-sinusoidal electronic circuitry.

Mr. Carson

EE 618 RADIATION AND ANTENNAS**4 (3-3) f**

Prerequisite: EE 615

Electromagnetic wave theory applied to antennas and antenna rays. Calculation and measurement of directional characteristics and field intensity.

Mr. Barclay

EE 621 VACUUM TUBE DESIGN**3 (3-0) f**

Prerequisite: EE 512, 615 and MA 611

An intensive analytic study of the laws of electron emission and motion and the design of vacuum tubes. Poisson's equation and conformal transformations are used to develop design criteria and equations. Analytic and experimental methods for determining potential fields are studied. Construction and high vacuum practice are covered.

Mr. Barclay

EE 622 ELECTRON OPTICS AND TRANSIT TIME EFFECTS**4 (3-3) s**

Prerequisite: EE 621

The equivalent noise generator circuit is applied to the various sources of noise in vacuum tubes. Electrostatic and magnetic lens action. Transit time in high frequency tubes and velocity modulated tubes, magnetrons, cathode ray and photoelectric tubes.

Mr. Barclay

EE 631, 632 ADVANCED ELECTRIC MACHINERY**3 (3-0) f s**

Prerequisite: EE 306

An advanced study of electrical machine theory. Equivalent circuits of transformers and rotating machines. Operation under abnormal conditions: unbalanced voltages, harmonics, fault currents, stability, etc. Applications to design problems.

Mr. Eckels

EE 635, 636 DIELECTRIC THEORY AND HIGH VOLTAGE ENGINEERING**3 (3-0) f s**

Prerequisite: EE 414

High Voltage measurement methods, theory and experimental investigations of dielectric properties of insulating materials (gases, liquids, solids). Problems involved with technical applications (design of insulators, corona losses of high voltage lines, circuit breaker theory).

Mr. Gauster

EE 637, 638 POWER SYSTEM ANALYSIS**3 (3-0) f s**

Prerequisite: EE 514

An advanced study of symmetrical components applied to the general unbalanced three-phase circuit. Sequence self and mutual impedances. Power system stability studies with emphasis on the transient case.

Mr. Stevenson

EE 643 ADVANCED ELECTRICAL MEASUREMENTS**2 (2-0) f**

Prerequisites: EE 302, 414

A critical analysis of circuits used in electrical measurements, with special attention to such topics as balance convergence, effects of strays, sensitivity, and use of feedback in electronic devices.

Mr. Hoadley

EE 645, 646 ADVANCED ELECTROMAGNETIC THEORY**3 (3-0) f s**

Prerequisite: EE 615 or PY 602

A comprehensive study of electricity and magnetism, emphasizing dynamic field theory. Potential theory, boundary-value problems, electrostatics and magnetostatics, transients in continuous systems, electromagnetic theory of light.

Mr. Gauster

EE 650 ELECTRICAL ENGINEERING RESEARCH**Credits by arrangement**

Prerequisites: Graduate standing in EE and approval of adviser
Individual research in the field of Electrical Engineering.

Graduate Advisers

EE 661, 662 SPECIAL STUDIES IN ELECTRICAL ENGINEERING**3 (3-0) f s**

Prerequisites: Graduate standing in EE and approval of adviser

This course provides an opportunity for small groups of advanced graduate students to study, under the direction of qualified members of the professional staff, advanced topics in their special fields of interest.

Graduate Staff

ENGINEERING — — — — —

E 100 INTRODUCTION TO ENGINEERING

1 (1-0) f

Introduces the student to the profession of engineering and the characteristics and requirements of the study of engineering.

Mr. Lampe

E 500 ENGINEERING ANALYSIS

3 (3-0)

Prerequisite: Senior standing and selection for Honors Program in Engineering
This is an engineering "case method" experience, making use of the principles of engineering, physics, and mathematics. Professors in Engineering and certain key individuals from industry will work singly with the professor in charge to introduce challenging engineering situations and to stimulate student analysis.

ENGINEERING MECHANICS — — — — —

COURSES FOR ADVANCED UNDERGRADUATES

EM 311 MECHANICS I (STATICS)

3 (3-0) f s

Prerequisites: PY 201 or 211; MA 201 or 211

Study of the analytical and graphical solution for the resultant and equilibrium of concurrent, parallel, and non-concurrent non-parallel force systems under coplanar or non-coplanar conditions. The application of statics to pin connected members, trusses and cables; friction; centroids; and moments of inertia. Shear and bending moment equations and diagrams.

EM 312 MECHANICS II (DYNAMICS)

3 (3-0) f s

Prerequisite: EM 311

The kinematic and kinetic study of motion of particles and rigid bodies; absolute and relative motion; Coriolis Law; methods of force, mass and acceleration; work and energy; impulse and momentum. Variable motion, simple harmonic motion, simple balancing of rotating parts.

EM 321 STRENGTH OF MATERIALS I

3 (3-0) f s

Prerequisite: EM 311

Simple stresses and strains in tension, compression, shear and torsion; external cross shear and bending moments in beams; internal stresses in beam and their distribution throughout the cross section; design of beams; slope and deflection of beams; statically indeterminate reactions of restrained beams; study of stresses at a point by Mohr's circle; column theory; design of axially and eccentrically loaded columns.

EM 341 MECHANICS A (STATICS)

2 (2-0) f s

Prerequisites: PY 201 or 211 and MA 201 or 211

Forces, resultants and equilibrium of concurrent, parallel and non-concurrent non-parallel force systems; statics applied to engineering problems and the solution of stress in simple trusses. Centroids and moments of inertia. This course is a condensation of EM 311 and with less emphasis.

EM 342 MECHANICS B (DYNAMICS)

2 (2-0) f s

Prerequisite: EM 341 or 311

The kinematic and kinetic study of motion of particles and rigid bodies; absolute and relative motion. Methods of force, mass and acceleration; work and energy impulse and momentum. This course is a condensation of EM 312 and with less emphasis.

EM 343 STRENGTH OF MATERIALS A

2 (2-0) f s

Prerequisite: EM 311 or 341

Axial and shear stresses and strains; pure torsion of circular shafts; external shears and moments; the distribution of internal shearing and bending stresses; introduction to deflection theory; column theory; design of axially loaded columns.

EM 430 FLUID MECHANICS

2 (2-0) f s

Prerequisite: EM 312 or 342

Fluid statics, kinematics, Bernoulli equation, momentum, free-surface flow, viscosity, pipe friction, drag on submerged bodies, lift, elastic wave propagation.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

EM 531 HYDRAULIC MACHINERY

2 (2-0) f s

Prerequisite: EM 430

Theory of lift and application to propellers, fans; blade theory including generalized Bernoulli equation, angular impulse, and angular momentum; forced and free vortex; impulse, reaction, and propeller turbines; positive displacement pumps, centrifugal pumps; propagation in pipes and surge tanks; fluid couplings and torque converters.

EM 551 ADVANCED STRENGTH OF MATERIALS

3 (3-0) f s

EM 331 ADVANCE
Prerequisite: EM 321

Stresses and strains at a point by Mohr's circle; rosette analysis; stresses in eccentrically loaded joints; membrane stresses in shells; stress theories; linear deflection of trusses; stresses in curved bars; steel and rubber springs; composite beams.

EM 554 VIBRATION PROBLEMS

3 (3-0) f s

Prerequisites: EM 321; MA 401

Free vibrations without damping; natural frequency; forced vibrations without damping; balancing of rotating and reciprocating machinery; free vibrations with damping; forced vibrations with damping; vibration of systems with several degrees of freedom; shock and sound isolation; application of isolators.

EM 556 ADVANCED MECHANICS

2 (2-0) f s

Prerequisite: EM 312

Virtual work; stability; balancing; elastic impact and waves; governors; LaGrangian equations of motion; three-dimensional dynamics of rigid body gyroscopes derivation from Kepler's laws of Newton's law of gravitation.

COURSES FOR GRADUATES ONLY

EM 601 APPLIED ANALYSIS IN STRENGTH OF MATERIALS

3 (3-0) f s

Prerequisites: EM 321; MA 401

Prerequisites: ENR 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

EM 602 THEORETICAL AND APPLIED ELASTICITY

3 (3-0) f s

Prerequisites: EM 321; MA 401

Buckling by torsion and flexure; lateral instability of beams and beam-columns; tapered and built-up columns; local failures; the four-moment theorem; stresses in circular and rectangular plates; stress concentrations. In the above topics, theory is developed and the resulting equations solved by classical or numerical methods. Results are compared with leading design specifications.

EM 605 RESEARCH IN STRENGTH OF MATERIALS

3 (3-0) f s

Special problems and investigations.

EM 606 RESEARCH IN MECHANICAL VIBRATIONS

3 (3-0) f s

Special problems in investigations.

EM 607 RESEARCH IN FLUID MECHANICS

3 (3-0) f s

Special problems in investigations.

EM 608 ADVANCED FLUID MECHANICS

2 (2-0) f s

EM 608 ADVANCE
Prerequisite: EM 430

Potential motion; vortex theory; Navier-Stokes equations; theories of turbulence; theory of boundary layer; boundary separation; unsteady flow vibrations of fluids.

EM 610 ENGINEERING MECHANICS SEMINAR

1 (1-0) f s

Reports, discussions, and preparation of papers.

EM 611 SIMILITUDE FOR ENGINEERS

2 (2-0) f s

Prerequisites: EM 321, 430

Standard deviation and rejection of data; dimensional analysis, Buckingham Pi Theorem, theory of models; structural models, distorted structural models, fluid flow models, thermal models; analogs and their use in engineering experimentation.

—ENGLISH

FRESHMAN ENGLISH

ENG 100 ENGLISH REFRESHER

0 (3-0) f s

ENG 100 ENGLISH REFRESHER 3-5-0 1-5
A course for students deficient in English. Special attention will be given to individual problems in grammar, reading, and writing. This course is offered each semester. No student will be allowed to schedule it for more than one semester.

ENGLISH

ENG 111, 112 COMPOSITION (BASIC COMMUNICATIONS SKILLS)

3 (3-0) f s

Required of all freshmen

Intensive practice in composition, with review in grammar and usage; reading and analysis of basic types of communication, with primary emphasis on comprehension; directed supplementary reading; oral and written reports; conferences.

WRITING

ENG 211 BUSINESS COMMUNICATIONS

3 (3-0) f s

Prerequisite: ENG 112

Practical application of the principles of composition to effective business communications, including basic types of correspondence and reports. Special attention will be paid to vocabulary building, and work will be given in oral business communications.

ENG 215 PRINCIPLES OF NEWS AND ARTICLE WRITING

3 (3-0) f s

Prerequisite: ENG 112

Introduction to the writing of simple news articles; class criticism of non-technical newspaper and magazine articles.

ENG 216 ADVANCED ARTICLE WRITING

3 (3-0) s

Prerequisites: ENG 112 and 215 or equivalent

A continuation of ENG 215, with intensive practice in writing and criticizing non-technical articles.

ENG 222 ADVANCED COMPOSITION (CREATIVE WRITING)

3 (3-0) s

Prerequisite: ENG 112

A course in creative writing especially designed for students who have demonstrated ability; emphasis on short prose fiction.

ENG 223 VOCABULARY BUILDING

3 (3-0) s

Prerequisite: ENG 112

A system of increasing the student's supply of useful words as found in the best modern English prose.

ENG 321 SCIENTIFIC WRITING

3 (3-0) f s

Prerequisite: ENG 112

Intensive practice in writing technical and scientific reports, articles for journals, and business letters relating to technical reports.

ENG 324 ADVANCED GRAMMAR

3 (3-0) s

An intensive study of English grammar with attention to the historical development of the language and with special emphasis on contemporary usage.

SPEECH

ENG 231 BASIC SPEAKING SKILLS

3 (3-0) f s

Prerequisite: ENG 112

Training in the fundamentals of public speaking; supplementary training in some aspects of group discussion (panel, forum, symposium, or committee) and in the techniques of good listening.

ENG 332 ARGUMENTATION AND PERSUASION

3 (3-0) f

Prerequisite: ENG 231 or equivalent

Analysis, brief-drawing and evidence, and methods of proof and refutation; fundamentals of conviction; naturalness and forcefulness, extempore speeches, debates, and discussions.

ENG 333 PUBLIC ADDRESS AND EXTEMPORANEOUS SPEAKING

3 (3-0) s

Prerequisite: ENG 231 or equivalent

Public speaking for special occasions, including speech of introduction, committee-room speech, after-dinner speech, speech at professional convention, political speech, formal sales talk.

ENG 334 ORAL READING

3 (3-0) f

Prerequisites: ENG 112 and 231, or approval of the department

Training in the analysis and presentation of printed materials, technical and semi-technical, for platform, radio, and television. Emotional reactions to add color and interest; expressive body and voice; correction of faulty habits.

ENG 336 PARLIAMENTARY PRACTICE

3 (3-0) f s

Prerequisite: ENG 112

(Not to be counted toward the fulfillment of any requirement in languages, humanities, or social sciences without specific authorization.)

Rules and customs of assemblies, including organization, motions; participation in and conduct of meetings; parliamentary strategy.

ENG 337 GROUP DISCUSSION

3 (3-0) f

Prerequisites: ENG 112 and 231, or approval of the department
The theory and practice of leading and taking part in such groups as panels, forums, symposia, conferences and committees. Oral and written assignments. Frequent recordings.

LITERATURE

Note: ENG 111 and 112 are prerequisites to all courses in literature

ENG 205 READING FOR DISCOVERY

3 (3-0) f s

A study of selected poems, plays, and short stories drawn from English, American, and European literature with emphasis on the great themes of literature and on the approach of the creative artist to basic ideas in Western culture.

ENG 361 BACKGROUNDS OF ENGLISH CIVILIZATION (I)

3 (3-0) f

A reading course in English literature from the Anglo-Saxon invasions to the Romantic period, with an emphasis on the contributions of English life and thought to Western Civilization.

ENG 362 BACKGROUNDS OF ENGLISH CIVILIZATION (II)

3 (3-0) s

English literature from the Romantic period to the present day. This course may be taken either as a continuation of ENG 361 or as an independent course.

ENG 365 THE AMERICAN MIND (I)

3 (3-0) f

The development of American thought and civilization as reflected in American literature from the colonial settlements through the New England revival of the nineteenth century.

ENG 366 THE AMERICAN MIND (II)

3 (3-0) s

The background of contemporary American literature and thought, from Mark Twain to Hemingway and Faulkner. This course may be taken either as a continuation of ENG 365 or as an independent course.

ENG 375 SOUTHERN WRITERS

3 (3-0) s

An introduction to Southern culture as revealed in poetry and short fiction from Poe to the present day. Readings in the Southern essay dealing with social, political, and literary problems.

ENG 382 SHORT PROSE FICTION

3 (3-0) f

The study of selected short stories by the most representative of contemporary British and American writers.

ENG 385 SHAKESPEARE

3 (3-0) s

A study of the principal plays with emphasis on reading Shakespeare for enjoyment.

ENG 396 LITERATURE OF THE WESTERN WORLD (I)

3 (3-0) f

Readings from selected great books from the Homeric period of Greek literature to the Renaissance in Europe. Emphasis on the contributions of this literature to modern thought.

ENG 397 LITERATURE OF THE WESTERN WORLD (II)

3 (3-0) s

Readings from selected great books from the Renaissance to the twentieth century with emphasis on literary appreciation and on the development of important concepts underlying contemporary life in the Western World. This course may be taken either as a continuation of ENG 396 or as an independent course.

ENG 398 CONTEMPORARY LITERATURE

3 (3-0) s

A study of selected examples of American, British, and Continental writing from 1915 to the present day with reference to changing literary forms and themes.

— — — — — **ENTOMOLOGY**

COURSES FOR UNDERGRADUATES

ENT 301 INTRODUCTION TO FOREST INSECTS

3 (2-2) f

Prerequisite: School of Forestry

Mr. Brett

An introductory course covering the fundamentals of classification, development, habits and control of forest insects.

ENT 312 ECONOMIC ENTOMOLOGY

3 (2-2) s

Prerequisite: ZO 101

Mr. Brett

A basic course, covering the fundamentals of insect classification, development, food habits and controls.

ENTOMOLOGY

ENT 322 BEEKEEPING

3 (1-4) s

Prerequisite: Consent of Instructor

A basic course dealing with the place of the honeybee in our agricultural economy; the colony and its components; management; manipulation; honey production, care and marketing.

Mr. Stephen

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ENT 501, 502 INSECT MORPHOLOGY

3 (1-4) f s

Prerequisite: ENT 312

Covers general morphology, external and internal, of the insects and their relatives. ENT 501 will deal primarily with external morphology and ENT 502 with internal morphology.

(Given in odd years)

Mr. Townes

ENT 511 SYSTEMATIC ENTOMOLOGY

3 (1-4) f

Prerequisite: ENT 312

A somewhat detailed survey of the orders and families of insects, designed to acquaint the student with these groups and develop in the student some ability in the use of keys, descriptions, etc.

(Given in even years)

Mr. Mitchell

ENT 522 ENTOMOLOGICAL TECHNIQUE

3 (1-4) s

Prerequisite: ENT 312

A laboratory course designed to acquaint the student with the various methods and techniques commonly employed in entomology, including a brief introduction to drawing and the photographic process.

(Given in even years)

Mr. Mitchell

ENT 531 INSECT ECOLOGY AND BEHAVIOR

3 (3-0) f

Prerequisite: ENT 301 or 312

The influence of environmental factors on insect development, distribution and behavior.

(Given in even years)

Mr. Brett

ENT 541, 642 IMMATURE INSECTS

4 (2-4) f

2 (1-2) s

Prerequisite: ENT 511 or permission of instructor

541 is a study of the characteristics of the immature forms of the orders and principal families of insects. 542 is a detailed study of the immature forms of some special group of insects of the students' own choosing.

(Given in even years)

Mr. Dogger

ENT 551, 552 APPLIED ENTOMOLOGY

3 (2-2) f s

Prerequisite: ENT 312

An advanced course in which the principles of applied entomology are studied in respect to the major economic insect pests. Methods of determining and examining insect damage, the economic importance of insects and the chief economic pests of man, food, and fiber are studied as well as laws and regulations pertaining to insects and insecticides.

(Given in odd years)

Mr. Kulash

ENT 561 LITERATURE AND HISTORY OF ENTOMOLOGY

3 (3-0) f

Prerequisite: ENT 312

A general course intended to acquaint the student with literature problems of the scientist, mechanics of the library and book classification, bibliographies of the zoological sciences, abstract journals, forms of bibliographies, forms of literature, preparation of scientific paper; taxonomic indexes and literature (with a historical background) and history of the development of zoological science from ancient to modern times with emphasis on entomology.

(Given in odd years)

Mr. Brett

ENT 571 FOREST ENTOMOLOGY

3 (2-2) f

Prerequisites: ENT 301 or 312

A study of methods of identification of forest pests, the factors governing their abundance, their habits, and the control of forest pests.

Mr. Kulash

EXPERIMENTAL STATISTICS

ENT 582 MEDICAL ENTOMOLOGY

3 (2-3) s

Prerequisite: Permission of instructor

A study of the morphology, biology and control of the parasitic arthropods of man, domestic and wild animals.

(Given in odd years)

Mr. Harkema

COURSES FOR GRADUATES ONLY

ENT 601, 602 PRINCIPLES OF TAXONOMY

3 (2-2) f

3 (1-4) s

Prerequisite: ENT 501

A course introducing the methods and tools used in animal taxonomy, designed to promote a better understanding of taxonomic literature, and provide a foundation for taxonomic research.

(Given in even years)

Mr. Townes

ENT 611 INSECT PHYSIOLOGY

4 (3-2) f

Prerequisite: Permission of instructor

The course deals with the aspects of animal physiology related to insects. The functions of the various insect organs are discussed and how these systems are disrupted by economic poisons. Laboratory work includes the use of standard physiological apparatus with emphasis on methods rather than obtaining results.

(Given in odd years)

Mr. Gast

ENT 621 INSECT TOXICOLOGY

4 (3-2) f

Prerequisite: Permission of instructor

The course deals with chemical and physical characteristics of insecticides and formulations and their effects on biological systems. Modes of action and mammalian toxicities are also discussed. Laboratory work involves insect culture work, formulating insecticides and evaluating the effectiveness of various materials.

(Given in even years)

Mr. Gast

ENT 632 ADVANCED SYSTEMATIC ENTOMOLOGY

3 (0-6) s

Prerequisite: ENT 501

A detailed study of some special insect group of the student's own choosing.

Mr. Mitchell

ENT 670 SPECIAL PROBLEMS

Credits by arrangement

Prerequisites: Graduate standing and consent of the instructor

Original research on special problems in entomology not related to a thesis problem, but designed to provide experience and training in research.

Staff

ENT 680 SEMINAR

1 1

Prerequisite: Graduate standing in Entomology or closely allied fields

Discussion of entomological topics selected and assigned by Seminar Chairman.

Staff

ENT 690 RESEARCH

Credits by arrangement

Prerequisite: Graduate standing in Entomology or closely allied fields

Original research in connection with thesis problem in entomology.

Staff

— — — — — EXPERIMENTAL STATISTICS

COURSES FOR UNDERGRADUATES

ST 302 STATISTICAL LABORATORY

2 (1-2) s

The use of conventional IBM punch card machines with special emphasis on gathering data for punch cards, coding, designing card fields and the operation of the punch, verifier, sorter, collator, tabulator and the 602A calculating punch. Complete wiring techniques on the collator, tabulator and 602A calculating punch will be emphasized. Programming of large scale computations found in statistics on the conventional IBM equipment along with a survey of the methods used for programming on the card program calculator (CPC) will be given.

Mr. Verlinden

EXPERIMENTAL STATISTICS

ST 311 INTRODUCTION TO STATISTICS

3 (2-2) f s

This course will relate general statistical concept to everyday life and will emphasize giving perspective to these concepts in place of developing skill. Quantitative descriptions of populations, sampling ideas, techniques of making inference about populations from samples and the uncertainties involved in such inferences. Formulation and testing of hypotheses, elementary and basic statistical techniques.

Mrs. Carroll, Mr. Monroe

ST 361 INTRODUCTION TO STATISTICS FOR ENGINEERS

2 (2-0)

or 3 (2-2) f s

Prerequisite: College Algebra

Optional one credit laboratory with illustrative problems and instruction in use of desk calculators.

Survey of statistical techniques useful to engineers and physical scientists. Includes elementary probability, frequency distributions, estimation of means and standard deviations, sampling variation, control charts, elementary least squares curve fitting, etc.

Mr. Hader

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ST 501, 502 BASIC STATISTICAL ANALYSIS

4 (3-2) f s

Prerequisites: College Algebra and ST 311 or 361 or graduate standing

Description of classification and scaled data. Sampling from normal, uniform, binomial and multimodal populations: empirical distributions of various measures of location, dispersion, correlation, regression, significance tests, confidence intervals. Collection and analysis of data: surveys, regression, experimental designs, factorial data variance components, non-parametric methods and sequential analysis. Intended primarily as a parallel course to Statistics 521, 522 to be taken by Statistics majors or Ph.D. minors, but not intended as a service course for other departments.

Staff

ST 511 EXPERIMENTAL STATISTICS FOR BIOLOGICAL SCIENCES, I

4 (3-2) f

Prerequisite: ST 311 or graduate standing

Basic concept of statistical models and use of samples; variation and statistical measures; distributions; tests of significance; analysis of variance and elementary experimental design; regression and correlation; Chi-square.

Mr. Robinson

ST 512 EXPERIMENTAL STATISTICS FOR BIOLOGICAL SCIENCES, II

3 (3-0) s

Prerequisite: ST 511

Complex analysis of variance and design of experiments repeated over place and time, individual degrees of freedom, factorial and incomplete block designs; covariance; multiple regression and correlation.

Mr. Mason

ST 513 EXPERIMENTAL STATISTICS FOR SOCIAL SCIENCES, I

4 (3-2) f

Prerequisite: ST 311 or graduate standing

Basic concepts in collection and analysis of data. Variability of sample data, distributions, confidence limits, Chi-square, "t" test, analysis of variance, regression, correlation, analytic and descriptive surveys, basic experimental designs index numbers.

Staff

ST 514 EXPERIMENTAL STATISTICS FOR SOCIAL SCIENCES, II

3 (3-0) s

Prerequisite: ST 513

Extension of basic concepts of experimental statistics to social surveys and experiments; sampling from finite populations, sampling systems, unrestricted, stratified and multistage designs, random and systematic selection with varying probabilities, methods of estimation analysis of variance with multiple classification, covariance, multiple regression, polynomials.

Mr. Finkner

ST 515, 516 EXPERIMENTAL STATISTICS FOR ENGINEERS

3 (3-0) f

or 4 (3-2) f

3 (3-0) s

Prerequisite: ST 361 or graduate standing

One credit optional laboratory available first term only

General statistical concepts and techniques useful to research workers in engineering, textiles, wood technology, etc. Includes probability, distributions, measurement of precision, simple linear regression, tests of significance, analysis of variance enumeration data, sensitivity data, life testing experiments and experimental design.

Mr. Hader

EXPERIMENTAL STATISTICS

ST 521, 522 BASIC STATISTICAL THEORY

4 (3-2) f s

Prerequisites: ST 311 or graduate standing and undergraduate Calculus

This course will present the theory needed in all advanced courses in statistical analysis and some of the fundamentals for advanced theory courses

Probability, frequency distributions and moments; sampling distributions; introductory theory of point and interval estimation and parametric and non-parametric tests of hypotheses; theory of least squares, multiple regression, analysis of variance and covariance and variance components.

Staff

ST 591 SPECIAL PROBLEMS

1-3 credits by arrangement f s

Development of techniques for specialized cases, particularly in connection with thesis and practical consulting problems.

Staff

COURSES FOR GRADUATES ONLY

ST 611, 612 INTERMEDIATE STATISTICAL THEORY

3 (3-0) f s

Prerequisites: ST 522, Advanced Calculus and Matrix Theory

This course will provide the additional theory above that of ST 521, 522 needed for advanced theory courses. Many of the topics in ST 521, 522 will be developed more rigorously and more attention will be paid to mathematical aspects. Central limit theorem and law of large numbers, bivariate normal distributions, convergence theorems. Method of maximum likelihood, efficient estimates, simultaneous confidence regions, general theory of tests of hypotheses, general linear hypothesis, sequential tests of hypotheses, distribution-free methods, Chi-square tests for frequency data.

Mr. Horvitz

ST 621 STATISTICS IN ANIMAL SCIENCE

3 (3-0) f

Prerequisite: ST 502 or 512

Sources and magnitudes of errors in experiments with animals, experimental designs and methods of analysis adapted to specific types of animal research, relative efficiency of alternate designs, amount of data required for specified accuracy, student reports on selected topics.

(Offered in odd-numbered years)

Mr. Lucas

ST 623 STATISTICS IN PLANT SCIENCE

3 (3-0) f

Prerequisite: ST 502 or 512

Principles and techniques of planning, establishing, and executing field and greenhouse experiments. Size, shape and orientation of plots, border effects, selection of experimental material, estimation of size of experiments for specified accuracy, scoring and subjective tests, subsampling plots and yields for laboratory analysis.

(Offered in odd-numbered years)

Mr. Mason

ST 626 STATISTICAL CONCEPTS IN GENETICS

3 (3-0) s

Prerequisites: Genetics 512, and ST 502 or 512 unless taken concurrently

Factors bearing on rates of change in population means and variances, with special reference to cultivated plants and domestic animals: selection, inbreeding, magnitude and nature of genotypic and non-genotypic variability. Experimental and statistical approaches in the analysis of quantitative inheritance.

Mr. Comstock

ST 631 THEORY OF SAMPLING APPLIED TO SURVEY DESIGN

3 (3-0) f

Prerequisite: ST 502 or 512 or 514 or 516

Basic theory of sampling from a finite population, confidence limits and estimation of optimum sample size, comparison of different sample designs, methods and probabilities for selection and methods of estimation, choice of a sampling unit, double sampling, matched samples.

Mr. Finkner

ST 641 (RS 641) STATISTICS IN SOCIOLOGY

3 (3-0) f

Prerequisite: ST 513

The application of statistical methods in sociological research. Emphasis on selecting appropriate models, instruments, and techniques for the more frequently encountered problems and forms of data.

Mr. Hamilton

ST 651 (AGC 651) ECONOMETRIC METHODS I

3 (3-0) f

Prerequisites: ST 514, ST 521, AGC 641 and AGC 642

Decision making under uncertainty. Stochastic elements in economic theories. Problems of model construction. Special techniques for analyzing simultaneous economic relations.

Graduate Staff

FIELD CROPS

ST 652 (AGC 652) ECONOMETRIC METHODS II

3 (3-0) s

Prerequisites: ST 513, ST 522, AGC 641 or AGC 642

Basic concepts of estimation and tests of significance as applied to economic data. Empirical sampling methods. Non-parametric methods; sequential testing. Extension of least squares methods to research in economics; production surfaces. Special topics in variance components and mixed models. Use of experimental designs in economic research. Elements of multivariate analysis. Techniques for analysis of time series.

Mr. Anderson

ST 661, 662 APPLIED MULTIVARIATE ANALYSIS

3 (3-0) f s

Prerequisites: ST 502 or 514 (Also analytical geometry and elementary properties of determinants)

The general multivariate model for experimental work, relations between multiple regression, analysis of variance and multivariate analysis, factor analysis, the generalized variance, the generalized Student ratio, intra-class correlations, testing compound symmetry between two sample covariance matrices, scale analysis, canonical correlation, testing for the rank of a correlation matrix.

Mr. Nicholson

ST 663 SPECIAL PROBLEMS IN MULTIVARIATE ANALYSIS

3 (3-0) f

Prerequisite: ST 661 or permission of instructor

A seminar course devoted to special problems in applied multivariate analysis particularly designed for advancing the use of these methods in specific research problems.

Staff

ST 664 PSYCHOLOGICAL ASPECTS OF FACTOR ANALYSIS

3 (3-0) s

Prerequisite: ST 661 or permission of instructor

History of factor analysis, theory of two-factors, fictitious factors, hierarchal order, need of group factors, the centroid method, communalities, common factor space estimation of factors, orthogonal and oblique factors, the problems of rotation, simple structure, second order factors.

Graduate Staff

ST 671 ADVANCED STATISTICAL ANALYSIS

3 (3-0) f

Prerequisites: ST 502 or 512, ST 522

General computational methods for linear regression; non-orthogonal data; carryover effects; orthogonal polynomials; response surfaces; non-linear systems; variance components for orthogonal and non-orthogonal data.

Mr. Anderson

ST 672 SPECIAL ADVANCED TOPICS IN STATISTICAL ANALYSIS

3 (3-0) s

Prerequisite: ST 671

Regression analysis with errors in both variables; transformation; enumeration data; discriminant functions; heterogeneous errors; non-parametric analysis.

Mr. Monroe

ST 674 ADVANCED TOPICS IN CONSTRUCTION AND ANALYSIS OF EXPERIMENTAL DESIGNS

3 (3-0) s

Prerequisites: ST 502 or 512 and ST 522

Inter-block analysis of incomplete blocks designs; partially balanced designs; confounding; data collected at several places and times; multiple factor designs; change-over trials; analysis of groups of means.

Miss Cox

ST 681 SEMINAR

1 (1-0) f s

A maximum of three credits is allowed toward the Master's degree, but any number toward the Doctorate.

Staff

ST 691 RESEARCH

Credits by arrangement f s

A maximum of nine credits is allowed toward the Master's degree; no limitation on credits in Doctorate programs.

FIELD CROPS

COURSES FOR UNDERGRADUATES

FC 211 FIELD CROPS I

3 (2-2) f s

Prerequisite: BO 102

Discussion of fundamental principles underlying crop production. The application of these principles to the major and minor field crops. The elements of plant identification, crop grading and judging.

Staff

FIELD CROPS

FC 311 FIELD CROPS II

3 (2-2) f

Prerequisites: FC 211 and SOI 200

Specific problems in field crop production other than forage crops. Discussion of those crops in farm rotations brings together all the major aspects of crop production for different climatic areas.

Staff

FC 312 PASTURES AND FORAGE CROPS

3 (3-0) s

Prerequisites: FC 211 and SOI 200

A study of the production and preservation of the principal forage crops. Special attention is given to the development and maintenance of pastures.

Mr. Chamblee

FC 412 ADVANCED PASTURES AND FORAGE CROPS

2 (2-0) s

Prerequisite: FC 312

Pasture species and management (cultural treatment) from an international viewpoint, and the inter-relationship of grazing animals on pasture development and management will be emphasized. Natural grassland areas and the place of special plant species will be considered.

Staff

FC 413 PLANT BREEDING

3 (3-0) f

Prerequisite: GN 411

The application of genetic principles to the improvement of economic plants, including discussions of the methods employed in the development and the perpetuation of desirable clones, varieties, and hybrids.

Mr. Jones

FC 414 WEEDS AND THEIR CONTROL

3 (2-2) s

Prerequisites: FC 211; CH 203 or equivalent

Principles involved in cultural and chemical weed control. Discussions on chemistry of herbicides and the effects of the chemicals on the plant. Identification of common weeds and their seeds is given.

Mr. Klingman

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

FC 511 TOBACCO TECHNOLOGY

2 (2-0) f

Prerequisites: FC 311 and approval of instructor

A study of special problems concerned with the tobacco crop. The latest research problems and findings dealing with this important cash crop will be discussed.

Staff

FC 521 SPECIAL PROBLEMS

Credits by arrangement

Prerequisite: Students admitted only with consent of instructor

Special problems in various phases in Field Crops. Problems may be selected or will be assigned. Emphasis will be placed on review of recent and current research.

Staff

FC 541 PLANT BREEDING METHODS

3 (3-0) f

Prerequisites: GN 512; ST 511 recommended

An advanced study of methods of plant breeding as related to principles and concepts of inheritance.

Messrs. Mann and Haynes

FC 542 PLANT BREEDING FIELD PROCEDURES

2 (0-4)

(in Summer Sessions)

Prerequisite: FC 541

A laboratory and field study of the application of the various plant breeding techniques and methods used in the improvement of economic plants.

Messrs. Haynes and Mann

COURSES FOR GRADUATES ONLY*

FC 611 FORAGE CROP ECOLOGY

2 (2-0) s

Prerequisites: FC 412; BO 441

A study of the effect of environmental factors on the growth of forage crops. Attention will be given to methods of research in forage ecology.

Mr. Chamblee

*Students are to consult the instructor before registration.

FORESTRY

FC 612 SPECIAL TOPICS IN WEED CONTROL

2 (2-0) s

Prerequisites or corequisites: BO 203, BO 532, and FC 414

Detailed examination of current concepts in selected fields of weed control. The chemistry, physiology, ecology, taxonomy, microbiology, equipment, and techniques used in weed control research will be discussed.

FC 631 SEMINAR

Staff
1 (1-0) f s

Prerequisite: Graduate standing

Scientific articles, progress reports in research, and special problems of interest to agronomists reviewed and discussed.

A maximum of two credits is allowed toward the Master's degree.

Staff

FC 641 RESEARCH

Credits by Arrangement

Prerequisite: Graduate standing

A maximum of six credits is allowed toward the Master's degree.

Staff

FORESTRY

COURSES FOR UNDERGRADUATES

FOR 101, 102 INTRODUCTION TO FORESTRY

2 (1-3) f s

The profession of Forestry, its scope and opportunities; conservation of natural resources; forestry field practice.

Mr. Preston

FOR 201 WOOD STRUCTURE AND PROPERTIES

3 (1-4) f

Identification, structure, properties and uses of woods of economic importance in the United States; identification by means of the hand lens is especially emphasized.

Mr. Slocum

FOR 202 ENGINEERING PROPERTIES OF WOOD

1 (0-3) f

An introduction to structure, identification, physical and mechanical properties of wood. Principles of lumber grading and yield in cuttings.

Mr. Carter

FOR s204 SILVICULTURE

2 credits

Sophomore Summer Camp

Growth and development of forest stands, reproduction counts, type of mapping, thinning, and weeding; establishment and measurement of sample plots.

Mr. Miller

FOR s214 DENDROLOGY

2 credits

Sophomore Summer Camp

Identification and study of trees in piedmont and mountain sections of North Carolina.

Mr. Slocum

FOR s224 FOREST MAPPING

2 credits

Sophomore Summer Camp

Field problems in forest mapping, including boundary location and type mapping.

Mr. Bryant

FOR s264 PROTECTION AND UTILIZATION

2 credits

Sophomore Summer Camp

Prevention, presuppression and suppression of forest fires, fire behavior.

Mr. Bryant

FOR s274 MENSURATION

2 credits

Prerequisite: CE 217

Sophomore Summer Camp

Collection of field data for stand and yield tables, stem analysis, and timber surveys

Mr. Slocum

FOR 303 WOOD-MOISTURE RELATIONS

3 (2-2) s

Shrinking and swelling characteristics of wood; air seasoning; dry kiln construction; kiln operation; schedules and conditioning; lumber storage and moisture control during manufacture; dimensional stabilization methods, processes, equipment, and materials.

Mr. Carter

FOR 311 PRINCIPLES OF FARM FORESTRY

2 (1-3) f

The theory and practice of forestry with special reference to the handling of farm woodlands and the utilization of their products; the place of forestry in farm management and the agricultural economy.

Mr. Miller

FORESTRY

FOR 321, 322 PULP AND PAPER TECHNOLOGY

3 (3-0) f s

Brief survey of the physical and chemical characteristics of wood and cellulose. Chemistry and technology of the major mechanical, chemical, and semi-chemical processes employed in the manufacture of pulp and paper.

Mr. Libby

FOR 361 SILVICS

3 (3-0) s

Site, soil, and other environmental factors in relation to the establishment, growth, and development of seedlings, trees, and timber stands; the influence of forest vegetation on site development, ground water, and micro-climate.

Mr. Maki

FOR 372 MENSURATION

3 (2-2) f

Prerequisite: FOR s274

The measurement of timber, both standing and felled; log rules, form factors, stem analysis and growth; methods of making volume, growth and stand tables; increment and yield studies; development of stand and yield tables from field data.

Mr. Slocum

FOR 401 WOOD PRESERVATION

2 (1-3) s

Factors causing wood deterioration; preservative materials and treatments; wood by-products from mill and forest waste.

Mr. Carter

FOR 402 FOUNDATIONS OF FOREST MANAGEMENT

2 (2-0) f

Prerequisites: FOR s274 or FOR 311

The integration of silviculture, forest measurements and economics in the management of woodland areas. (Not open to students majoring in forest management.)

Mr. Bryant

FOR 403 PAPER TECHNOLOGY LABORATORY

2 (0-12) s

(First 8 weeks)

Development of various types of paper finishes with particular attention to stock preparation, sizing, filling, and coloring. The finished products are tested physically and chemically and evaluated from the standpoint of quality and in comparison with the commercial products they are intended to duplicate.

Mr. Libby

FOR 404 MANAGEMENT PLANS

3 (1-6) s

Senior Camp

Application of management, logging, silvicultural and utilization practices on assigned areas. Each student must make a forest survey of an individual area and submit a record.

Staff

FOR 405 FOREST INVENTORY

2 (0-6) s

Senior Camp

Practical field work in timber estimating and compilation of field data.

Mr. Bryant

FOR 406 FOREST INDUSTRIES

2 (0-6) s

Senior Camp

A field study of logging, milling, and manufacturing with reports based on inspection trips.

Staff

FOR 407 FIELD SILVICULTURE

2 (0-6) s

Senior Camp

Prerequisite: FOR 361

Studies of forest communities; dendrology of the coastal section of North Carolina: silviculture practices.

FOR 411 PULP AND PAPER MILL EQUIPMENT

3 (3-0) f

Principles of operation, construction, and design of process equipment employed in the pulp and paper industry.

Mr. Hitchings

FOR 412 PULP AND PAPER MILL EQUIPMENT

2 (1-3) s

Continuation of FOR 411

Mr. Hitchings

FOR 413 PAPER TESTING LABORATORY

2 (0-12) f (First 8 weeks)

Physical, chemical, and microscopical examination of experimental and commercial papers and evaluation of the results in terms of the utility of the product tested.

Mr. Libby

FORESTRY

FOR 421 LOG AND LUMBER GRADES AND SPECIFICATIONS

2 (1-3) s

Log and bolt grades and specifications in use; log grades based upon lumber grades; lumber grading principles and practices for hardwoods and softwoods.

Mr. Barefoot

FOR 422 FOREST PRODUCTS

3 (3-0) f

Prerequisites: FOR 201, CH 203 or 426

The source and method of obtaining derived and manufactured forest products other than lumber.

Mr. Barefoot

FOR 423 LOGGING AND MILLING

3 (2-3) f s

Timber harvesting and transportation methods, equipment, and costs; safety and supervision; manufacturing methods with regular and short-log types of sawmills.

Mr. Barefoot

FOR 431 DIMENSION STOCK MANUFACTURING

3 (2-3) f

Manufacturing and production methods for manufacturing dimension stock, flooring pre-fabricated stock, turnings, and cut stock. Production rates, plant layout and mechanization peculiar to the industry.

Mr. Carter

FOR 432 MERCHANDISING FOREST PRODUCTS

2 (2-0) f

Principles and practices in the distribution and marketing of the products obtained from wood; organization and operation of retail, concentration, and wholesale outlets.

Mr. Carter

FOR 433 GLUING AND PLYWOOD

3 (2-3) f

Prerequisites: CH 103 or 203, FOR 303

Veneer manufacturing methods and equipment; veneer products; cold-press and hot-press banding adhesives; processing and use requirements; cause and prevention of inadequate bands; molded, flat, and post-formed plywood construction.

Mr. Bethel

FOR 441 MECHANICAL PROPERTIES OF WOOD

3 (2-3) f

Prerequisites: FOR 201, 303

Strength and related properties of commercial woods; standard A.S.T.M. strength tests; toughness; timber fastenings; structural requirements; working stresses.

Mr. Hart

FOR 442 FURNITURE CONSTRUCTION AND ASSEMBLY

3 (2-3) f

Prerequisites: FOR 303, 433

Stock preparation for gluing; selecting adhesives; types of metal fastenings; joint construction and methods of joining wood and other materials; assembly methods for furniture and other wood products; construction and strength properties of laminated members.

Mr. Carter

FOR 443 WOOD FINISHING

3 (2-3) s

Prerequisites: FOR 201, CH 203 or 426

Preparation of wood surfaces for finish coatings; composition and application of paints, varnishes, repellents, lacquers, and other wood finishing materials; finishing furniture and interior wood products.

Mr. Carter

FOR 451 PAPER COLORING LABORATORY

2 (0-12) s (First 8 weeks)

Evaluation and identification of dyestuffs and the development of color formulas for dyeing pulp and paper.

Mr. Libby

FOR 452 FOREST GRAZING

2 (2-0) f

Management of range areas, all grazing regions with special consideration of the southeast.

Mr. Bryant

FOR 453 LUMBER STRUCTURES

3 (2-3) s

Prerequisite: FOR 441

Structural grades of lumber; working stresses; frame construction; construction estimates and computations; masonry, insulation, roofing, and other structural materials; millwork; fastenings; prefabs.

Mr. Wyman

FOR 461 PAPER CONVERTING

1 (1-0) f

A survey of the principal processes by which paper and paper board are fabricated into the utilitarian products of everyday use.

Mr. Libby

FORESTRY

FOR 462 ARTIFICIAL FORESTATION

2 (1-3) s

Production, collection, extraction, and storage of forest tree seeds; nursery practice; field methods of planting.

FOR 463 PLANT INSPECTIONS

1 (0-3) s

One week inspection trips covering representative manufacturers of pulp and paper and papermaking equipment.

Mr. Libby

FOR 471 PULP TECHNOLOGY LABORATORY

4 (0-12) f

Preparation and evaluation of the several types of wood pulp. The influence of the various pulping and bleaching variables on pulp quality are studied experimentally and these data evaluated critically.

Mr. Hitchings

FOR 472 FOREST POLICY AND ADMINISTRATION

2 (2-0) f

Civil timber law, illustrated by court cases; state and federal forest policy; job-load analysis in national forest administration.

Mr. Miller

FOR 481 PULPING PROCESSES AND PRODUCTS

2 (2-0) f

Prerequisites: FOR 201, CH 203 or 426

Fiber manufacturing processes and equipment; wall, insulation, and container board products; manufacture of roofing felts; pulp products manufacturing; resin treated and specialty products, lignin and wood sugar products.

Mr. Libby

FOR 482 PULP AND PAPER MILL MANAGEMENT

2 (2-0) s

A survey of the economics of the pulp and paper industry is followed by a study of the work of the several departments of a paper mill organization and the functions of the executives who administer them.

Mr. Libby

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

FOR 501 FOREST VALUATION

3 (2-3) f

The theory and techniques of valuation of forest land, timber stands, and forest practices as investments and for appraisals of damage. Risks and hazards in forestry as they apply to forest investments, forest insurance, and forest taxation.

Mr. Bryant

FOR 511 SILVICULTURE

3 (3-0) f

The principles and application of intermediate and reproductive methods of cutting; controlled burning, silvices, and other methods of hardwood control. The application of silvicultural methods in the forests of the United States.

Mr. Miller

FOR 512 FOREST ECONOMICS

3 (3-0) f

Economics and social value of forests; supply of, and demand for forest products; land use; forestry as a private and a public enterprise; economics of the forest industries.

Mr. Bryant

FOR 513 TROPICAL WOODS

2 (0-4) s

Prerequisites: FOR 533

Structure, identification, properties, characteristics and use of tropical woods, especially those used in plywood and furniture.

Mr. Bethel

FOR 531 FOREST MANAGEMENT

3 (4-6) (First 8 weeks)

Prerequisites: FOR 372, 511

Management of timber lands for economic returns; the normal forest taken as the ideal; the application of regulation methods to the forest.

Mr. Maki

FOR 533 ADVANCED WOOD STRUCTURE AND IDENTIFICATION

2 (0-6) f

Prerequisite: FOR 201

Advanced microscopic identification of the commercial woods of the United States and same tropical woods; microscopic anatomical features and laboratory techniques.

Mr. Slocum

FOR 542 FIBER ANALYSIS

2 (0-6) s

Fiber microscopy; the determination of fiber measurement, quality, variation and identity in pulp woods.

Mr. Barefoot

FORESTRY

FOR 553 FOREST PHOTOGRAMMETRY

2 (2-6) s (First 8 weeks)

Interpretation of aerial photographs, determination of density of timber stands and area mapping.

Mr. Slocum

FOR 563 QUALITY CONTROL IN WOOD PRODUCT MANUFACTURE

3 (2-3) f

Prerequisites: ST 361, FOR 433

A study of methods used to control quality of manufactured and wood products. Emphasis is placed on the use of control charts for variables and attributes and on acceptance sampling techniques including single, double, and sequential sampling methods.

Mr. Bethel

FOR 573 METHODS OF RESEARCH IN FORESTRY

Credits Arranged

Research procedures, problem outlines, presentation of results; consideration of selected studies by forest research organizations; sample plot technique.

Staff

FOR 591 FORESTRY PROBLEMS

Credits Arranged

Assigned or selected problems in the field of silviculture, logging, lumber manufacturing, pulp technology, or forest management.

COURSES FOR GRADUATES ONLY

FOR 601 ADVANCED FOREST MANAGEMENT PROBLEMS

Credits Arranged

Directed studies in forest management

Staff

FOR 603 TECHNOLOGY OF WOOD ADHESIVES

3 (2-3) f s

Prerequisites: CH 425, 426; FOR 433

The fundamentals of adhesives as applied to wood-to-wood and wood-to-metal bonding. Technology of adhesives. Preparation and use of organic adhesives. Testing of adhesives and evaluation of quality of adhesives and bonded joints.

Staff

FOR 604 TIMBER PHYSICS

3 (2-2) f s

Prerequisites: FOR 441, 533

Density, specific gravity and moisture content variations affecting physical properties; physics of drying at high and low temperatures; thermal, sound, light, and electrical properties of wood.

Staff

FOR 606 DESIGN AND CONTROL OF WOOD PROCESSES

3 (2-2) s

Prerequisites: FOR 563, 603, 604

Study of design and operational control of equipment for machinery, drying, gluing, finishing and preserving woods.

Staff

FOR 621 ADVANCED TECHNOLOGY PROBLEMS

Credits Arranged

Selected research in the field of wood technology.

Staff

FOR 641 ADVANCED UTILIZATION PROBLEMS

Credits Arranged

Problems of an advanced grade in some phase of forest utilization.

Staff

FOR 671 PROBLEMS IN RESEARCH

Credits Arranged

Specific forestry problems that will furnish material for a thesis.

Staff

FOR 681 GRADUATE SEMINAR

1 (0-2) f s

Prerequisite: Graduate standing in Forestry or closely allied fields.

Presentation and discussion of progress reports on research, special problems, and outstanding publications in forestry and related fields.

Staff

GENETICS

COURSES FOR ADVANCED UNDERGRADUATES

GN 411 THE PRINCIPLES OF GENETICS

3 (2-2) f

Prerequisites: BO 102, ZO 101

An introductory course. The physical basis of inheritance; genes as units of heredity and development; qualitative and quantitative aspects of genetic variation.

Messrs. Stephens and Grosch

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

GN 512 GENETICS

4 (3-2) f

Prerequisite: GN 411

Intended for students desiring more thorough and detailed training in fundamental genetics with some attention to physiological aspects. (Students conduct individual laboratory problems.)

Mr. Grosch

GN 513 CYTOGENETICS I

4 (3-2) f

Prerequisite: GN 411

Recommended: GN 512

Variations in the chromosomal mechanisms of inheritance and their genetic consequences. The chromosomes as they affect breeding behavior in plants and animals. Lectures and laboratory.

Mr. Gerstel

**GN 540 PRINCIPLES OF EVOLUTION

3 (3-0) f

Prerequisite: GN 411

Recommended: GN 513

The theory of evolution and the various sources of evidence on which it is based.

Mr. Gregory

GN 541 PLANT BREEDING METHODS

3 (3-0) f

Prerequisite: GN 521

Recommended ST 511

An advanced study of methods of plant breeding as related to principles and concepts of inheritance.

Messrs. Mann, Haynes

GN 542 PLANT BREEDING FIELD PROCEDURES

2 (0-4)

(in summer sessions)

Prerequisite: GN 541

A laboratory and field study of the application of the various plant breeding techniques and methods used in the improvement of economic plants.

Messrs. Haynes and Mann

The following courses, offered in other departments, are available for graduate credit in Genetics:

GN 503 (See AI 503 Animal Breeding).

3 (3-0) f

GN 520 (See PO 520 Poultry Breeding).

3 (3-0) f

**GN 532 (See ZO 532 Biological Effects of Radiations).

3 (3-0) s

COURSES FOR GRADUATES ONLY

* GN 614 CYTOGENETICS II

5 (3-4) s

Prerequisite: GN 513

Lecture: The facts and theories of chromosome structure, mechanics and behavior. The cytogenetic analysis of natural populations.

Laboratory: Prepared slides illustrating the lecture material. Student preparation and analysis of cytological materials.

Mr. Smith

** GN 620 GENETIC CONCEPTS OF SPECIATION

3 (3-0) s

Prerequisites: GN 512 and either GN 513 or 540

Review of current ideas on the mechanisms of the origin of species and the nature of species differentiation.

Mr. Stephens

* GN 621 GENETICS OF POPULATION

3 (3-0) s

Prerequisite: GN 512

Recommended: GN 540

Review of the forces molding the genetic structure of natural and artificial populations of plants and animals.

Mr. Lewontin

* GN 633 PHYSIOLOGICAL GENETICS

3 (3-0) s

Prerequisite: GN 512

Recent advances in physiological genetics. Attention will be directed to literature on the nature and action of genes, and to the interaction of heredity and environment in the expression of the characteristics of organisms.

Mr. Grosch

GEOLOGICAL ENGINEERING

GN 641 COLLOQUIUM IN GENETICS

3 (3-0) f s

Prerequisites: Graduate standing, consent of instructor
Informed group discussion of prepared topics assigned by instructor.

Staff

GN 651 SEMINAR

1 (1-0) f s

Prerequisite: Graduate standing

GN 661 RESEARCH

Arranged

Prerequisite: Graduate standing

Original research related to the student's thesis problem. A maximum of six credits for the Master's degree; by arrangement for the Doctorate.

The following courses, offered in other departments, are available for graduate credit in Genetics:

GN 602 (see AI 602 Advanced Animal Breeding).

3 (3-0) s

GN 626 (see ST 626 Statistical Concepts in Genetics).

3 (3-0) s

* Given 1956-57 and alternate years

** Given 1957-58 and alternate years

GEOLOGICAL ENGINEERING — — — — —

COURSES FOR UNDERGRADUATES

MIG 101 EARTH SCIENCE

3 (3-0) s

Elective. Not to be taken after MIG 120

Introductory course in General Geology; changes in the earth, and underlying physical and life processes.

Staff

MIG 120 PHYSICAL GEOLOGY

3 (2-3) f s

Dynamic processes acting on and within the earth; materials and makeup of the earth's crust; emphasis on engineering and agricultural applications in the southeast. Lectures, laboratories, and field trips.

Staff

MIG 207, 208 EX. PHYSICAL GEOGRAPHY

3 (3-0) f s

A. The processes and forces involved in the development of land forms.

B. The physiographic provinces of the United States and their importance; physical geography of North Carolina.

Staff

MIG 222 HISTORICAL GEOLOGY

3 (2-3) s

Prerequisite: MIG 120

Major events in the history of North America; rise and development of main animal and plant groups. Lectures, laboratories and field trips.

Staff

MIG 323 PALEONTOLOGY

3 (2-3) f s

Prerequisite: MIG 222

Study of fossil life forms, with major emphasis on classification and structure of the invertebrate animals and their application to problems of correlation of strata. Lectures, laboratories and field trips.

Staff

MIG 325 GEOLOGY AND MINERAL RESOURCES OF NORTH CAROLINA

3 (2-3) f s

Prerequisite: MIG 120

Physical geography, general geology, common rocks and minerals, and mines and quarry products of the State. Lectures, laboratories, and field trips.

Staff

MIG 330 MINERALOGY

3 (1-6) f

Prerequisite: CH 103

Crystallography, and physical and chemical mineralogy. Lectures and laboratory work

Mr. Miller

MIG 351 STRUCTURAL GEOLOGY

3 (2-3) f

Prerequisite: MIG 120

Structures imposed on igneous, sedimentary, and metamorphic rock masses by deformation and movement in the earth's crust. Lectures, laboratories, and field trips.

Mr. Parker

GEOLOGICAL ENGINEERING

MIG 372 ELEMENTS OF MINING ENGINEERING

4 (2-6) s

Prerequisite: MIG 351

Introduction to mining: methods of development and exploitation, drilling and blasting, mining law, administration and safety. Lectures, laboratory work and field trips.
Mr. Miller

MIG 411, 412 ECONOMIC GEOLOGY

3 (2-3) f s

Prerequisites: MIG 120, 330

Made of occurrence, association, origin, distribution, and uses of economically valuable minerals. Lectures, laboratories, and field trips.

Staff

MIG 442 PETROLOGY

3 (2-3) s

Prerequisites: MIG 120, 330

Materials of the earth's crust; composition, texture, classification, megascopic identification, and alterations of the principal igneous, sedimentary, and metamorphic rocks. Lectures, laboratories, and field trips.

Mr. Parker

MIG 452 SEDIMENTATION AND STRATIGRAPHY

3 (2-3) s

Prerequisite: MIG 442

Sedimentary processes, products, and structures. Principles of sub-division of sedimentary terranes into natural units and the determination of their ages and history. Lectures, laboratories, and field trips.

Mr. Parker

MIG 461 ENGINEERING GEOLOGY

3 (3-0) f

Prerequisite: MIG 120

The application of geologic principles to engineering practice; analysis of geologic factors and processes affecting specific engineering projects.

Mr. Miller

MIG 462 GEOLOGICAL SURVEYING

3 (1-6) s

Prerequisites: MIG 351, 442

Methods of field observation and use of geologic surveying instruments in surface and underground work; representation of geologic features by maps, sections and diagrams. Lectures, laboratories, and field work.

Messrs. Parker, Miller

MIG 481, 482 SENIOR SEMINAR

1 (1-0)

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

MIG 510 MINERAL INDUSTRY

3 (3-0) s

Prerequisite: Permission of instructor

Economics of mineral industry. Cycles of mineral production. Exhaustibility. Reserves. Valuation of mineral property. National resources; essential, critical, and strategic minerals. World distribution and production.

Mr. Parker

MIG 522 PETROLEUM GEOLOGY

3 (3-0) s

Prerequisites: MIG 351, 442

Properties, origin and modes of occurrence of petroleum and natural gas. Geologic and economic features of the principal oil and gas fields, mainly in the United States.

Staff

MIG 531 OPTICAL MINERALOGY

3 (1-4) f

Prerequisites: MIG 330 and CY 202

Optical principles involved in the petrographic (polarizing) microscope and related instruments. Microscopic determination of minerals in thin section and in fragments. Lectures and laboratory work.

Mr. Parker

MIG 552 GEOPHYSICS

3 (2-3) s

Prerequisites: MIG 351, PY 202

Fundamental principles underlying all geophysical methods; procedure and instruments involved in gravitational, magnetic, seismic, electrical and other methods of studying geological structures and conditions; study of applications and interpretations of results.

Mr. Miller

MIG 571, 572 MINING AND MINERAL DRESSING

3 (2-3) f s

Prerequisite: MIG 372

Principles of the mineral industry; mining laws, prospecting, sampling, developments, drilling, blasting, handling, ventilation and safety; administration surveying, assaying; preparation, dressing and marketing.

Mr. Miller

HISTORY AND POLITICAL SCIENCE

MIG 581 GEOMORPHOLOGY

3 (2-3) f

Prerequisite: MIG 442

A systematic study of land forms and their relations to processes and stages of development and adjustment to underlying structure. Lectures, map interpretations, and field trips.

Staff

COURSES FOR GRADUATES ONLY

MIG 611, 612 ADVANCED ECONOMIC GEOLOGY

3 (3-0) f s

Prerequisites: MIG 411, 412

Detailed study of the origin and occurrence of specific mineral deposits.

Staff

MIG 632 MICROSCOPIC DETERMINATION OF OPAQUE MINERALS

3 (2-3) s

Prerequisite: MIG 531

Identification of metallic, opaque minerals in polished sections by physical properties, etch reactions and microchemical tests. Laboratories.

Staff

MIG 642 ADVANCED PETROGRAPHY

3 (2-3) s

Prerequisites: MIG 442, 531

Application of the petrographic microscope to the systematic study of the composition and origin of rocks; emphasis on igneous and metamorphic rocks.

Parker

MIG 681, 682 SEMINAR

1 (1-0) f s

Prerequisite: Graduate standing

Scientific articles, progress reports and special problems of interest to geologists and geological engineers discussed.

Staff

MIG 691 GEOLOGICAL RESEARCH

3 or 6

Prerequisite: Permission of the instructor

Lectures, reading assignments, and reports; special work in Geology to meet the needs and interests of the students.

Staff

HISTORY AND POLITICAL SCIENCE — — — — —

COURSES IN HISTORY FOR UNDERGRADUATES

HI 201 THE ANCIENT WORLD

2 (2-0) f

A history of ancient times from the rise of civilization in Egypt and Babylonia to the decline of Rome in the fifth century. Emphasis is placed upon the evolution of cultures and civilizations, and upon the development of art, science, literature, and philosophy.

HI 202 THE MEDIEVAL WORLD

2 (2-0) s

The political, economic, social, and cultural developments from the decline of the Roman Empire in the West to the emergence of the modern period.

HI 205 THE MODERN WESTERN WORLD

3 (3-0) f s

A history of major movements in the Western World from the Renaissance to the present.

HI 225, 226 MODERN EUROPE

3 (3-0) f s

A study of the political, economic, intellectual, and social developments in Europe from the age of Columbus to the present. The course divides at 1815. The semesters may be taken separately.

HI 251 THE UNITED STATES TO 1865

3 (3-0) f

A study of major historical developments in the growth of the American nation through the Civil War.

HI 252 THE UNITED STATES SINCE 1865

3 (3-0) f s

A study of major historical developments in the growth of the American nation since the Civil War.

HI 261 THE UNITED STATES IN WESTERN CIVILIZATION

3 (3-0) f s

An analysis of major developments in American history, with American history considered as part of the historical development of modern western civilization.

HI 301, 302 AMERICAN ECONOMIC HISTORY

3 (3-0) f s

A history of economic institutions and customs in the United States from the time of the transfer to the New World of European economic customs to the present. The course divides at 1860. The semesters may be taken separately.

HISTORY AND POLITICAL SCIENCE

HI 306 NORTH CAROLINA HISTORY

2 (2-0) s

The political, social, and economic developments of North Carolina from colonial beginnings to the present.

HI 331 THE OLD SOUTH

3 (3-0) f

The intellectual and cultural history of the Old South and of ante-bellum society from the end of the colonial period to the Civil War.

HI 332 THE NEW SOUTH

3 (3-0) s

A study of the political, economic, and social developments in the South from the Civil War to the present.

HI 333 AMERICAN AGRICULTURAL HISTORY

3 (3-0) f

Historical developments of agricultural activity in the United States from the transfer of western European agriculture to America to the present, with particular emphasis on the historical place and importance of agriculture in American life.

HI 367 MODERN WESTERN ECONOMIC HISTORY

3 (3-0) s

A treatment of the historical development of the economic customs and institutions of the western world during the modern period, beginning with the Commercial Revolution.

HI 401 RUSSIAN HISTORY

3 (3-0) f

This course presents the major trends in Russian social, political, economic, and cultural history, with emphasis on the nineteenth and twentieth centuries. USSR policy is studied in relation to the full sweep of Russian history.

HI 402 ASIA AND THE WEST

3 (3-0) s

A history of Asia from the mid-nineteenth century to the present, with emphasis on Asian nationalism and conflict with the imperial powers.

HI 409 COLONIAL AMERICA

2 (2-0) f

A study of the development of the American colonies in the seventeenth and eighteenth centuries, with special emphasis on European backgrounds.

HI 412 RECENT UNITED STATES HISTORY

3 (3-0) f s

A study of the main currents in American political, economic, social and diplomatic history of the twentieth century.

HI 422 HISTORY OF SCIENCE

3 (3-0) s

A study of the evolution of science from antiquity to the present with particular attention given to the impact of scientific thought upon selected aspects of western civilization. The course provides a broad perspective of scientific progress and shows the interrelationship of science and major historical developments.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

HI 534 (SAME AS RS 534). FARMERS' MOVEMENTS

3 (3-0) s

A history of agricultural organizations and movements in the United States and Canada principally since 1865, emphasizing the Grange, the Farmers' Alliance, the Populist revolt, the Farmers Union, the Farm Bureau, the Equity societies, the Nonpartisan League, cooperative marketing, government programs, and present problems.

COURSES IN POLITICAL SCIENCE FOR UNDERGRADUATES

PS 201 THE AMERICAN GOVERNMENTAL SYSTEM

3 (3-0) f s

A study of the American federal system, integrating national and state government, with emphasis on constitutional principles, major governmental organs, governmental functions, and the politics and machinery of elections. Some attention is given to other types of political systems, and comparisons are made where relevant throughout the course.

PS 202 COUNTY AND MUNICIPAL GOVERNMENT

3 (3-0) f s

This course examines the principal types of county and city government and the functions performed by counties and cities including functional relationships with the state and national governments.

PS 301 COMPARATIVE POLITICAL SYSTEMS

3 (3-0) f

An analytical study of the federal and unitary systems and the presidential, parliamentary, and authoritarian plans of government, with special attention to the governments of the United Kingdom, France, Germany, Italy, and the Soviet Union.

HORTICULTURE

PS 302 CONTEMPORARY WORLD POLITICS

3 (3-0) f s

A study of the pattern of international life, the instruments of national policy, the controls upon international behavior, and the major problems in international relations since World War II, including the development of the United Nations and various regional arrangements. Attention is given to the national interests and foreign policies of the states belonging to the Western and Soviet blocs, with emphasis on the position of the United States.

PS 401 AMERICAN PARTIES AND PRESSURE GROUPS

3 (3-0) f s

After a brief survey of those features of American government essential to an understanding of the political process, the course proceeds to examine the American electorate and public opinion and devotes its major attention to the nature, organization, and programs of pressure groups and political parties and to their efforts to direct opinion, gain control of government, and shape public policy. Special attention is given to party organization and pressure group activity at the governmental level and to recent proposals to improve the political party as an instrument of responsible government.

PS 406 PROBLEMS IN NORTH CAROLINA GOVERNMENT

2 (2-0) s

Prerequisite: PS 201 or an acceptable substitute.

Selected problems arising from the operation of the legislative, administrative, and judicial machinery in North Carolina. In addition to acquiring a comprehensive view of these problems each student will make an intensive study of a special phase of one of them.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

PS 501 MODERN POLITICAL THEORY

3 (3-0) f

Prerequisite: Consent of the instructor.

A study of the state and its relationship to individuals and groups, approached through the reading of selected passages from the works of outstanding philosophers from the sixteenth century to the present.

PS 502 PUBLIC ADMINISTRATION

3 (3-0) f

Prerequisite: Consent of the instructor.

A study of the principles and problems of administration in a democracy, including such matters as organization, personnel, fiscal management, relationship to the legislative and judicial functions, control of administrative agencies and policies, and public relations.

PS 503 INTERNATIONAL ORGANIZATION

2 (2-0) s

Prerequisite: Consent of the instructor.

A study of the evolving machinery and techniques of international organization in the present century with particular emphasis on recent developments. The actual operation of international organization will be illustrated by the study of selected current international problems.

PS 512 AMERICAN CONSTITUTIONAL THEORY

3 (3-0) s

Prerequisite: Consent of the instructor.

Basic constitutional doctrines, including fundamental law, judicial review, individual rights and political privileges, and national and state power. Special attention is given to the application of these doctrines to the regulation of business, agriculture, and labor and to the rights safeguarded by the First, Fifth, and Fourteenth Amendments to the Constitution.

HORTICULTURE

COURSES FOR UNDERGRADUATES

HRT 201, 202 WOODY PLANTS

3 (1-4) f s

Distribution, identification, adaptation, culture and use of ornamental trees, shrubs and vines in landscape planting.

Mr. Randall

HRT 212** HERBACEOUS PLANTS

2 (0-4) s

Distribution, identification, adaptation, culture and use of ornamental herbaceous perennial and annual plants in landscape planting.

Mr. Randall

HRT 222 INTRODUCTION TO HORTICULTURE

3 (3-0) f s

To give the student a general concept of the nature, importance, distribution and utilization of horticultural crops and a general understanding of the principles underlying the production of fruits, ornamentals and vegetables.

Mr. Gardner

HORTICULTURE

- HRT 301 PLANT PROPAGATION** 3 (2-2) f s
Prerequisite: BO 101
A study of principles, methods and practices in seedage, cuttage, division, budding, grafting and other methods of plant propagation.
Mr. Randall
- HRT 311 NURSERY PRACTICE** 3 (2-2) f
Prerequisite: BO 101
The principles and practice involved in the production, management and marketing of nursery plants.
Mr. Gartner
- HRT 321* GRADING, PACKING AND INSPECTION OF FRUITS AND VEGETABLES** 3 (2-3) f
Prerequisite: BO 101
A detailed study of U.S. grades and standards for the principal fruit and vegetable crops. Practice in grading, packing, and variety identification. A course designed to prepare the student for work in the Federal-State inspection service. Field trips are required.
Staff
- HRT 331** FLORAL DESIGN AND SHOP MANAGEMENT** 3 (1-5) f
Principles and practices of flower shop management including the art of floral design.
Mr. Randall
- HRT 342 LANDSCAPE GARDENING** 3 (2-3) s
The application of principles of design to landscaping the home grounds. The identification, propagation, use, and maintenance of ornamental plants and lawn grasses in improving the home grounds.
Mr. Gartner
- HRT 412 OUTDOOR PRODUCTION OF FLORAL CROPS** 3 (2-3) s
Prerequisites: BO 102, SOI 200 (or concurrently)
Principles, methods, and practices in commercial production of floral crops out-of-doors.
Mr. Randall
- HRT 421 FRUIT PRODUCTION** 3 (2-3) f
Prerequisites: BO 102, SOI 200 (or concurrently)
Methods of production of the principal tree and small fruits. This is designed to give an understanding of the practices involved in fruit production.
Mr. Schneider
- HRT 432 VEGETABLE PRODUCTION** 3 (2-3) f s
Prerequisites: BO 102, SOI 200 (or concurrently)
Soil preparation, seedage, plant production, fertilization, irrigation, pest control and general culture of vegetable crops.
Mr. Cochran
- HRT 441 COMMERCIAL FLORICULTURE** 3 (2-2) f
Prerequisites: BO 102, SOI 200 (or concurrently)
Greenhouse construction, heating and management.
Mr. Randall
- HRT 442 COMMERCIAL FLORICULTURE** 3 (2-2) s
Prerequisite: HRT 441
Botanical characters, importance, propagation, culture and preparation for market of the floral crops commonly grown in the greenhouse.
Mr. Gartner
- HRT 452 PRINCIPLES OF FRUIT AND VEGETABLE PROCESSING** 3 (2-2) s
Prerequisite: BO 102
Principles and methods involved in the preservation of fruits and vegetables, with emphasis placed on canning and freezing.
Mr. Jones
- HRT 462 GRADING AND INSPECTION OF PROCESSED FRUITS AND VEGETABLES** 2 (1-2) s
Prerequisite: Registration by permission of the instructor
Methods of inspection, grading and critical appraisal for quality of the principal fruit and vegetable products.
Mr. Jones

* Offered 1956-57 and in alternate years.

** Offered 1957-58 and in alternate years.

HORTICULTURE

HRT 481 BREEDING OF HORTICULTURAL PLANTS

3 (2-2) f

Prerequisite: GN 411

The application of genetics and plant breeding to the improvement of horticultural crops.

Mr. Barham

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

HRT 501 HORTICULTURE PROBLEMS

Credits by Arrangement

Prerequisite: Permission of instructor

Investigation of a problem in horticulture, each student selecting a problem and conducting the investigation under the direction of the instructor. The problem may last one or two semesters. Credits will be determined by the nature of the problem, not to exceed a total of 4 hours.

Staff

HRT 512* HANDLING AND STORAGE OF ORNAMENTAL PLANTS

3 (2-2) s

Prerequisite: BO 421

A study of the handling and storage of ornamental plants and plant parts. Consideration will be given to the chemical and physiological changes occurring in storage, storage facilities, materials and methods for handling and storing these products.

Mr. Gartner

HRT 521, 522 TECHNOLOGY OF FRUIT AND VEGETABLE PRODUCTS

3 (2-2) f s

Prerequisite: BO 412 (or concurrently)

Comprehensive treatment of principles and methods of preservation of fruits and vegetables, including small scale plant operation and commercial processing plant visits.

HRT 532** ADVANCED FRUIT PRODUCTION

4 (3-3) s

Prerequisites: HRT 421, BO 421 (or concurrently)

A comprehensive study of principles involved in production of tree and small fruits.

Mr. Schneider

HRT 541 PLANT BREEDING METHODS

3 (3-0) f

Prerequisites: GN 512; ST 511 Recommended

An advanced study of methods of plant breeding as related to principles and concepts of inheritance.

Messrs. Haynes & Mann

HRT 542 PLANT BREEDING FIELD PROCEDURES

2 (0-4) s

Prerequisites: HRT 541, or FC 541 or GN 541.

Laboratory and field study of the application of various plant breeding techniques and methods used in the improvement of economic plants.

Messrs. Haynes & Mann

HRT 562** HANDLING AND STORAGE OF FRUITS AND VEGETABLES

3 (2-2) s

Prerequisite: BO 421

The chemical and physiological changes occurring during handling and storage of fruits and vegetables. Consideration will also be given to facilities for handling and storage.

Mr. McCombs

HRT 571* ADVANCED VEGETABLE CROPS

3 (3-0) f

Prerequisites: BO 421 (or concurrently) and consent of instructor

A study of the origin, distribution, botanical relationships, and basic principles of production of the major vegetable crops.

Mr. Cochran

HRT 581 SENIOR SEMINAR

1 (1-0) f s

Prerequisite: Senior in Horticulture

Presentation of scientific articles, progress reports in research, and special problems in horticulture and related fields.

Mr. Gardner

COURSES FOR GRADUATES ONLY

HRT 601 ADVANCED OLERICULTURE

3 (3-0) f

Prerequisite: Graduate standing in Horticulture or related field

A study of a specific technical problem, involving original investigation, including a survey of pertinent literature, or an exhaustive study of literature on a given subject or plant.

Mr. Cochran

* Offered 1956-57 and in alternate years.

** Offered 1957-58 and in alternate years.

HORTICULTURE

HRT 602 ADVANCED ORNAMENTAL HORTICULTURE

3 (3-0) s

Prerequisite: Graduate standing in Horticulture or related field

A study of specific problems in ornamental crops, either through a review of pertinent literature or by an original investigation.

Mr. Gartner

HRT 612 ADVANCED FRUIT AND VEGETABLE PROCESSING

3 (3-0) s

Prerequisite: HRT 522 or consent of instructor

Critical study of certain processing methods as applied to fruit and vegetable preservation.

Mr. Jones

HRT 621* METHODS AND EVALUATION OF HORTICULTURAL RESEARCH

3 (3-0) f

Prerequisite: Graduate standing in Horticulture

Methods and techniques in the field of horticulture and their application in the solution of current problems. Critical evaluation of published papers reporting results of horticultural experiments. Methods of compiling data and presenting results.

Mr. Morrow

HRT 632 ADVANCED POMOLOGY

3 (3-0) s

Prerequisite: HRT 532 or consent of instructor

A critical study of specific problems in fruit crops including current literature.

Mr. Schneider

HRT 641 RESEARCH

Credits by Arrangement

Prerequisite: Graduate standing in Horticulture

Original research on specific problems in fruit, vegetable, or ornamental crops, or in fruit and vegetable processing. Thesis prepared should be worthy of publication.

A maximum of six credits is allowed toward the Master of Science degree; no limitation on credits in Doctorate program.

Staff

HRT 651 SEMINAR

1 (1-0) f s

Prerequisite: Graduate standing in Horticulture

Presentation of scientific articles, progress reports in research, and special problems in Horticulture and related fields. Presentation of one or more papers each semester is required.

Mr. Cochran

— — — — —INDUSTRIAL AND RURAL RECREATION

COURSES FOR UNDERGRADUATES

REC 152 INTRODUCTION TO RECREATION

3 (2-2) f s

This course is designed to provide instruction in the following areas: History and foundations of recreation including objectives, economic and social aspects, definition, and importance; status of organized recreation in our modern society; certain applied principles of recreation; recreation leadership; activities and program planning; and tournament planning and administration. The course is of lecture-laboratory technique.

Mr. Stott

REC 153 AQUATIC SPORTS

2 (0-4) f s

A laboratory course includes: the history of the techniques and methods of teaching swimming, modern methods of teaching, diving, officiating, games, pageants, the use of small craft, life-saving techniques, principles of water safety, the organization and administration of water safety programs, and the maintenance of the swimming pool and water front.

Staff

REC 201 PLAYGROUND LEADERSHIP

2 (1-3) f s

This course is designed to present to the student play activities of an active, semi-active, and quiet nature so that a selection can be made to fit a playground situation. Special emphasis is placed on the learning of low organized games, contests, relays, and water activities and their practical application in an actual playground program. Stress is placed on the principles, techniques, and tools of effective playground leadership.

Mr. Miller

* Offered 1956-57 and in alternate years.

** Offered 1957-58 and in alternate years.

RECREATION

REC 203 INDIVIDUAL CORRECTIVE PHYSICAL EDUCATION 2 (2-0) f

The problems underlying the need for an individual physical education program for handicapped students are discussed. The primary emphasis will be on the organization and administration of the individual physical education program in schools and colleges; the formulation of individual programs of physical education for the most prevalent types of disabilities found in the school population and the techniques necessary for effective accomplishment of the objectives of the program.

Mr. Crawford

REC 204 METHODS AND MATERIALS IN HEALTH EDUCATION 2 (2-0) s

A consideration of the most appropriate content and methods which should be in high school health education programs. Sources of materials are stressed. Public relations are studied.

Mr. Miller

REC 205 METHODS AND MATERIALS IN PHYSICAL EDUCATION 2 (2-0) f

Presents critical studies of methods of instruction and procedures in supervision applicable to physical education. Provides observation in the required physical-activity-service courses.

Mr. Hines

REC 207 HISTORY AND PRINCIPLES OF PARK ADMINISTRATION 2 (2-0) f s

This course includes the study of the history, present status, and the basic principles of operation of parks and park systems in America.

Mr. Stott

REC 251 SOCIAL RECREATION I 3 (0-6) f s

This course presents material and information needed for conducting social play in the home, church, club, camp, on the playground, and in the recreation center. It emphasizes the place of the leader in recreation music and drama. Stress is placed on the acquiring of technical knowledge of social activities, including rhythmic and square dancing, and the conducting of specific types of activities.

Mr. Crawford

REC 252 SOCIAL RECREATION II 3 (0-6) f s

Prerequisite: REC 251

A laboratory course is designed to develop leadership skills in recreation dramatics and music. Dramatic areas to be considered are: acting, children theatres, choral speaking, creative drama, play production, puppetry, story telling, and stage design and equipment. Activities in recreation music will include: singing, playing, rhythmic movement, song creation, and combined activities. Outside studies and assigned readings with reports are required.

Mr. Crawford and visiting instructors

REC 253 PRINCIPLES OF PHYSICAL EDUCATION 3 (2-2) f s

This course is designed to give the student a professional orientation in physical education and the place of physical education activities in allied and related fields. It introduces the student to the program of physical education—its interpretation in the light of present day needs, its sociological basis, aims and objectives, and a sampling of program activities. In the laboratory period stress is placed on the learning of skills and coaching techniques involved in executing and directing the simplest to the most complex type of activities performed on mats and gymnasium apparatus.

Mr. Miller

REC 301 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION 2 (2-0) f s

This course is designed to prepare students to meet the problems of organization and administration of physical education with the view in mind of making suitable adaptation to various related fields. It presents the solution to many of the problems facing the administrator and teacher in organizing and administering a physical education program with analogous comparisons of these problems to other areas in the field of recreation. The course is intended as a practical approach and a background for the student going into the physical activity field where problems of organization and administration assume major proportions in this area of work.

Mr. Miller

REC 315 PREVENTION AND CARE OF ATHLETIC INJURIES 2 (2-0) f s

Prerequisites: ZO 213 or its equivalent

This course is designed for students in residence and for individuals in-service. Directors of community centers, boys clubs, coaches of athletic teams, athletic directors, and others are confronted constantly with: the prevention and the care of athletic injuries. The course is of lecture-laboratory technique.

Mr. Crawford

RECREATION

REC 325 ACTIVITIES FOR THE HANDICAPPED INDIVIDUAL

2 (2-0) f s

This course provides students with methods that will motivate the typical individual to improve not only his physical condition but also his outlook on life. To utilize modern educational principles and sport activities which will satisfy the handicapped individual's needs, interest, and capacity. To provide sources of information applicable to the problem. Outside studies and assigned readings with reports are required.

Mr. Crawford

REC 331 SCHOOL CAMPING

2 (1-2) f s

This course covers the history of school camping and outdoor education. The purpose of this course is to provide the student with the methods and techniques in planning the school camp program so as to furnish a laboratory experience in those areas of study that can best be learned in the out-of-doors. Practical consideration will be given to the preplanning of school camping experiences.

Mr. Stott

REC 333 FIRST AID AND SAFETY

2 (1-2) f s

This course stresses first aid and safety education in relation to the home, school, and community. It strongly emphasizes safety principles as applied to activities of the gymnasium, playgrounds, and athletic fields. Laboratory will provide practice in first aid skill.

Mr. Stott

REC 351 INDIVIDUAL SPORTS IN RECREATION

3 (0-6) f s

Prerequisites: Completion of Physical Education requirements or equivalent

The course provides for group instruction and laboratory experiences in the following sports: archery, bowling, golf, handball, tennis, table tennis, bait and fly casting, badminton and squash. Problems involved in starting and conducting a program of individual sports organized on a mass basis and designed to serve the interest of all people are studied. Officiating techniques applicable to individual sports are utilized. The course is of laboratory character and study of the professional problems involved with assigned readings and reports is required.

Mr. Crawford

REC 352 TEAM SPORTS IN RECREATION

3 (0-6) f s

Prerequisites: Completion of Physical Education requirement or equivalent

The course provides for group instruction and laboratory experiences in the following games: football, basketball, baseball, volleyball, and speedball. Problems involved in starting and conducting a program of group games organized on a mass basis designed to serve the interests of all people are studied. Officiating techniques applicable to the various games are utilized. The course is of laboratory character, and study of the professional problems involved with assigned readings and reports is required.

Mr. Crawford

REC 353 CAMP ORGANIZATION AND LEADERSHIP

3 (2-2) f s

This course surveys the development of organized camping and the educational, health, and recreational objectives of camping. Program planning and leadership training in community, private, agency and school camping is emphasized. Laboratory will provide practice in campcraft skills.

Mr. Stott

REC 354 PERSONAL AND COMMUNITY HYGIENE

3 (3-0) f s

This course presents the essential present-day knowledge of personal and community health. Emphasis is placed upon health problems, disease prevention, communicable diseases and their control, public health administration, school and industrial hygiene, and various other health problems confronting the individual and the community. The course presents valuable and interesting health information to college men and women in order that they might live more intelligently in terms of newer health concepts and also to be better prepared to assume their responsibilities as citizens of their respective communities.

Mr. Miller

COURSES FOR ADVANCED UNDERGRADUATES

REC 401 PRINCIPLES AND PRACTICES OF INDUSTRIAL RECREATION

2 (2-0) s

A study of existing programs of industrial recreation, their operation, methods of finance, scope, and problems is emphasized. Relationship of industrial recreation to other programs of recreation is studied.

Mr. Hines

REC 404 PRINCIPLES AND PRACTICES OF RURAL RECREATION

2 (2-0) s

A study of the organization and administration of rural recreation programs and facilities. Emphasis on planning programs of recreational activities for the rural community, the county-wide program, clubs, and organizations. Study of existing programs of rural recreation, their operation, and their problems will receive major attention.

Mr. Hines

RECREATION

REC 411 PARK MAINTENANCE AND OPERATION I

2 (1-2) f s

Prerequisite: Senior status

This course deals with: methods of operation of various park facilities for public use; interpretative and public use programs; information and education; park personnel administration; and protection and law enforcement.

Mr. Stott

REC 412 PARK MAINTENANCE AND OPERATION II

2 (1-2) f s

Prerequisite: REC 411

This course will begin with a one-week tour of various types of parks and park systems. The following subjects would then be studied in detail: preventive maintenance, job planning and scheduling, modern maintenance techniques and maintenance materials.

Mr. Stott

REC 431 CAMPCRAFT

2 (0-4) f s

Prerequisite: REC 353 or equivalent

This course is entirely of a laboratory nature. It is designed to provide the student with skills, and methods of teaching campcraft and woodcraft.

Mr. Stott

REC 451 FACILITIES AND EQUIPMENT

3 (0-6) f s

This course includes the history of park recreation facility development and trends in recreation facility planning. Emphasis is placed upon the planning principles involved in the design and layout of recreation areas and recreation buildings. Field trips will enable the student to see the various types of recreation facilities.

Mr. Stott

REC 452 RECREATION ADMINISTRATION

3 (3-0) f s

Prerequisite: Senior status

This course deals with: the internal organization of a recreation department; financing; accounting and financial procedure; budget making and control; records, reports, and filing; program planning and control; personnel policies and organization; and public relations.

Mr. Hines

REC 470 SUPERVISED PRACTICE

6 (0-18) f s

This course is intended to provide the prospective recreation director with an opportunity to acquire experience in the skills and techniques involved in the organization and administration of recreation activities in an established program. Each student during his senior year will spend 10 weeks off-campus in a selected location. (A minimum of 225 contact hours are required.) The student will have the opportunity to observe the activities and practices of the recreation executive, to organize and conduct activities under supervision, to observe activities and practices of experienced recreation activity leaders, and to observe the maintenance and operation of facilities. Prior to enrollment in this course, the student is expected to have completed the senior field trip consisting of visits to recognized programs of recreation throughout North Carolina. The student will have the opportunity to become familiar with the total recreation program.

Mr. Hines

REC 471 ORGANIZING THE RECREATION PROGRAM

2 (2-0) f s

Prerequisite: Senior status

This course includes the types of recreation opportunities to be made available to individuals, groups, or communities to be served and the methods of providing these opportunities. Activities to be considered are classified as: arts and crafts; dance; drama; games, sports, and athletics; hobbies; music; outdoor recreation; reading, writing, and speaking; social recreation; special events and voluntary service. The lecture-discussion technique is used. Outside studies and assigned readings with reports are required.

Mr. Hines

REC 472 OBSERVATION AND FIELD EXPERIENCE

2 (0-6) f s

Prerequisite: Senior status

This course is designed to provide the student with the opportunity to observe, appraise, and evaluate: the operation of program activities; teaching methods; administrative, supervisory, and organizational techniques; procedures and conduct of advisory and commission meetings; professional conferences and society meetings. Students will be expected to complete this entire gamut. By use of field experience, the student will be expected to prepare written reports of observations. Only those experiences approved by the recreation faculty shall be accepted.

Mr. Hines

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

REC 501 SPECIAL PROBLEMS IN RECREATION

3 (2-2) f

Prerequisites: 1. Completion of 20 hours credit in recreation courses or equivalent.
2. A "B" average in recreation courses or equivalent.

A survey of specific problems in recreation. Aims to develop critical analysis. Forms a basis for the organization of research projects, for the compilation and organization of material in a functional relationship, and for the foundation of policies. Follows the seminar procedure.

Mr. Hines

— — INDUSTRIAL ARTS AND INDUSTRIAL EDUCATION

COURSES FOR UNDERGRADUATES

IA 100 INTRODUCTION TO INDUSTRIAL ARTS

1 (1-0) f

To assist students in their orientation to college life and to acquaint them with the scope and problems of industrial arts.

Staff

IA 103, 104 INDUSTRIAL ARTS DRAWING

3 (2-4) f s

Practice in lettering, sketching and the use of instruments as applied to orthographic projection, pictorial drawings, sheet metal drawing, machine drawings, charts and graphs, and architectural drawing. Explanation sketches and practical working drawings. Materials and processes for drawing reproduction.

IA 106 LABORATORY OF INDUSTRIES

3 (2-4) f

This course is designed to orient the student to the purposes of industrial arts and to provide experiences in a variety of tools and materials used by industry, such as woods, metals, electricity, graphic arts, ceramics, textiles, and selected crafts.

Mr. Schmitt

IA 107 GENERAL WOODWORK

3 (2-4) s

This course involves project planning, use and care of common hand tools, wood finishing, characteristics and uses of common woods, types and uses of hardware and fasteners, and wood lathe turning. Experiences in some elementary wood machine with emphasis on wood lathe turning.

Mr. Troxler

IA 108 GENERAL WOODWORK

3 (2-4) f

Prerequisite: IA 107

Use of woodworking machine tools. Production and selection of projects adapted to available material and practical processes. New techniques in woodworking processes. Emphasis will be given to new tools, materials and processes in wood.

Mr. Troxler

IA 203 PRACTICAL DRAFTING

2 (1-3) s

Required of students in Wild Life and Furniture Manufacturing

The application of drawing practices for the layman. Freehand sketching and instrument drawings, lettering, pictorial representation, production sketches, template drawing, exploded views, shades and shadows. Individual problems and selected graphic representation.

Mr. Troxler

IA 205 INDUSTRIAL ARTS DESIGN

2 (2-2) s

Prerequisites: IA 103, 104

Design and construction in a variety of industrial materials, stressing individual expression and appreciation of well designed industrial materials.

Mr. Troxler

IA 206 GENERAL METALWORK

3 (2-4) f

Basic operations and processes in bench metal, foundry, arc and acetylene welding, metal lathe and art metalwork, a study of metals including their properties and uses.

Mr. Schmitt

IA 207 GENERAL METALWORK

3 (2-4) s

Basic operations and processes in sheet metal, forging, lathe work, milling machine, shaper work, precision grinding, and a study of the mass production techniques.

Mr. Schmitt

IA 215 SHEET METAL

1 (1-2) f

Prerequisite: ME 102

A course designed to give students in the Heating and Air Conditioning curriculum of the Mechanical Engineering Department practical experience in sheet metal process, tools, operations, machines, and materials pertaining to duct work.

Mr. Troxler

INDUSTRIAL ARTS

IA 230 HOME MECHANICS

2 (1-3) f s

A course designed to provide information and experiences in tools, materials, and processes essential in the care, maintenance, and the repair of a home and home equipment. Emphasis will be placed on the development of "handy man" abilities.

Staff

IA 306 GRAPHIC ARTS

3 (2-4) f

A course designed to give the student experience in the basic operations and processes and to provide related information in letterpress printing, block printing, silk screen printing, book binding, offset printing, and photography.

Mr. Schmitt

IA 307 GENERAL ELECTRICITY

3 (2-4) f

The fundamentals of electricity as applied to magnetism, electromagnetism, heat and power will be emphasized. Repair of common household appliances and the construction of well made electrical projects are required.

Mr. Schmitt

IA 308 INDUSTRIAL ARTS ELECTRONICS

3 (2-4) s

This course includes the fundamentals of electricity as applied to electronics. Emphasis in the course is placed on a study of the various applications of the vacuum tubes, especially radio communications along with a study of semi-conductors.

Mr. Schmitt

IA 314 RECREATION ARTS AND CRAFTS

2 (1-3) s

Required of juniors in Industrial and Rural Recreation; elective for others

A course designed to give students interested in recreational work an understanding of and experiences in different types of arts and crafts. Emphasis will be given to a wide variety of crafts as adaptable to camps, city, industrial and institutional programs.

Mr. Troxler

IA 315 GENERAL CERAMICS

3 (2-4) f s

This course is designed to give the student an opportunity to work with ceramic materials as a medium of expression and to get experience in the basic manufacturing processes of the ceramic industry. Emphasis will be given to a study of the sources of clay, designing, forming, decorating, and firing of ceramic products.

Mr. Hostetler

IA 320 TOOLS AND MATERIALS

2 (1-4) f

A study of the care and maintenance of hand and machine tools and of the sources, manufacture, characteristics, uses, and costs of industrial materials and products.

Mr. Schmitt

IA 321 METALWORK TECHNOLOGY

2 (1-3) f s

Prerequisites: IA 206, 207 or equivalent

This course is designed to give the student additional theory and skills in metalworking operations and processes. Emphasis will be on the metal lathe, metal shaper, and milling machine.

Mr. Schmitt

ED 100 INTRODUCTION TO INDUSTRIAL EDUCATION

2 (2-0) f

The place of vocational education in a program of public education and the fundamental principles upon which this work is based.

ED 345 FIELD WORK IN SECONDARY EDUCATION

2 (2-0) s

Prerequisites: ED 344 and permission of instructor

A study of pupil-teacher-community relationship at the secondary school level involving observations, visits, reports, readings and conferences.

Mr. Hostetler

ED 422 METHODS OF TEACHING INDUSTRIAL SUBJECTS

3 (3-0) s

Prerequisites: ED 344, PSY 304

A study of effective methods and techniques of teaching industrial subjects. Emphasis is given to class organization; student-teacher planning; methods of teaching manipulative skills and related information; lesson planning; shop safety; and evaluation.

Mr. Hostetler

ED 440 VOCATIONAL EDUCATION

2 (2-0) f

Prerequisites: ED 344, PSY 304

A comprehensive study of the types of vocational education of less than college grade, provided for through Federal legislation; an evaluation of the effectiveness of the program; and a detailed study of the North Carolina Plan.

Mr. Bryant

INDUSTRIAL ARTS

ED 444 STUDENT TEACHING IN INDUSTRIAL SUBJECTS

6 (2-15) f

Prerequisites: ED 345, ED 422

Students in the Industrial Arts and Industrial Education curricula will devote ten weeks during the fall semester to full time, off-campus student teaching in selected public schools throughout the State. They will be assigned to their teaching center in the preceding spring and will report to their supervising teachers when the public schools (to which they are assigned) open in the fall. During the remainder of the term, additional courses will be taken in concentrated form.

Staff

IA 460 GENERAL SHOP

3 (2-4) s

Prerequisite: ED 444 or permission of instructor

A course designed to give the student the opportunity to strengthen weaknesses both in skills and teaching methods which became apparent during his term of student teaching. Emphasis will be given to the organization, administration, content and methods of the general shop. Opportunity will also be given to develop good general shop project ideas.

Mr. Hostetler

ED 482 CURRICULUM PROBLEMS IN INDUSTRIAL ARTS

2 (1-2) f

Prerequisites: PSY 304 or six credits in Education

Approximately one-third of the course is directed to developing a working philosophy of industrial arts and the major portion of the course is devoted to planning and organizing learning units in industrial arts.

Mr. Schmitt

ED 483 INSTRUCTIONAL AIDS AND DEVICES

2 (1-2) f

Prerequisites: PSY 304 or six credits in Education

Analysis of learning units and the preparation of instructional aids and devices.

Mr. Hostetler

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

IA 484 SCHOOL SHOP PLANNING AND EQUIPMENT SELECTION

3 (3-0) s

A course for advanced undergraduate students

The physical planning of school shops and laboratories; selection of tools and equipment. Whenever possible, actual or contemplated school buildings will be used for class work.

Mr. Hostetler

ED 516 COMMUNITY OCCUPATIONAL SURVEYS

2 (2-0) s

Prerequisites: Six credits in Education and consent of instructor

Methods in organizing and conducting local surveys and evaluation of findings in planning a program of vocational education.

Graduate Staff

ED 521 ORGANIZATION OF RELATED STUDY MATERIALS

2 (2-0) f s

Prerequisite: ED 422 or consent of instructor

The principles of selecting and organizing both technical and general related instructional material for trade extension and diversified occupations classes.

Graduate Staff

ED 525 TRADE ANALYSIS AND COURSE CONSTRUCTION

2 (2-0) f

Prerequisites: ED 344, PSY 304

Principles and practices in analyzing occupations for the purpose of determining teaching content. Practice in the principles underlying industrial course organization based on occupational analysis covering instruction in skills and technology and including course outlines, job sequences, the development of industrial materials and instructional schedules.

Graduate Staff

ED 527 PHILOSOPHY OF INDUSTRIAL EDUCATION

2 (2-0) s

Prerequisites: ED 344, PSY 304

A presentation of the historical development of industrial education; the philosophy of vocational education; study of Federal and State legislation pertaining to vocational education; types of programs, trends and problems.

Graduate Staff

ED 528 PRINCIPLES AND PRACTICES IN DIVERSIFIED OCCUPATIONS

2 (2-0) f s

Prerequisite: ED 422 or consent of instructor

A study of the development, the objectives, and principles of diversified occupations. The organization, promotion and management of programs in this area of vocational education.

Graduate Staff

INDUSTRIAL ARTS

ED 552 INDUSTRIAL ARTS IN THE ELEMENTARY SCHOOL

3 (2-4) f s

See description on page 204.

IA 570 LABORATORY PROBLEMS IN INDUSTRIAL ARTS

A maximum of
6 credits

Prerequisites: Senior standing and permission of instructor
Courses based on individual problems and designed to give advanced majors in industrial arts education the opportunity to broaden or intensify their knowledge and abilities through investigation and research in the various fields of industrial arts, such as metals, plastics, or ceramics.

IA 575 SPECIAL PROBLEMS IN INDUSTRIAL ARTS

A maximum of
6 credits

Prerequisite: One term of student teaching or equivalent
The purpose of these courses is to broaden the subject matter experiences in the areas of industrial arts. Problems involving experimentation, investigation and research in one or more industrial arts areas will be required.

Graduate Staff

IA 580 MODERN INDUSTRIES

2 (2-0) s

Prerequisites: Twelve credits in Industrial Arts and consent of the instructor
Elective course for advanced undergraduate and graduate students in industrial arts. Designed to assist teachers in guiding students to sources of information relative to various modern industries.

Mr. Hostetler

ED 592 INDIVIDUAL PROBLEMS IN EDUCATION

2 or 3 (0-2 or 3) f s

An elective course for graduate students in Industrial Arts Education and Industrial Education, with consent of instructor
Individual and group studies of one or more major problems in industrial arts and industrial education. Problems will be approached through the application of research techniques with final reports prepared in a form suitable for publication as a magazine article, technical or professional bulletin.

Mr. Hostetler

ED 595 INDUSTRIAL ARTS WORKSHOP

3 (3-0) summer

Prerequisite: One or more years of teaching experience
A course for experienced teachers, administrators and supervisors of industrial arts. The primary purpose will be to develop sound principles and practices for initiating, conducting and evaluating programs in this field. Enrollees will pool their knowledge and practical experiences and will do intensive research work on individual and group problems. (Offered in Summer School Only)

Mr. Hostetler

COURSES FOR GRADUATES ONLY

ED 610 ADMINISTRATION AND SUPERVISION OF VOCATIONAL EDUCATION

2 (2-0) f s

Prerequisites: PSY 304, ED 344, 440, 520, or equivalent
Administrative and supervisory problems of vocational education; practices and policies of Federal and State offices; organization and administration of city and consolidated systems.

Graduate Staff

ED 614 MODERN PRINCIPLES AND PRACTICES IN SECONDARY EDUCATION

2 (2-0) f s

Foundations of modern programs of secondary education; purposes, curriculum, organizing, administration, and the place and importance of the high school in the community in relation to contemporary social force.

Graduate Staff

ED 619 SEMINAR IN INDUSTRIAL ARTS EDUCATION

A maximum of 2 credits

Reviews and reports on special topics of interest to students in industrial arts education.

Mr. Hostetler

ED 624 RESEARCH IN INDUSTRIAL ARTS EDUCATION

A maximum of 6 credits

Prerequisites: Eighteen credits in Education and permission of instructor
The student will be guided in the selection of one or more research problems and in the organization of the problems, methods of gathering data, procedure for analyzing data, and best practice for interpreting and reporting data.

Mr. Hostetler

INDUSTRIAL ENGINEERING

ED 627 RESEARCH IN INDUSTRIAL EDUCATION

A maximum of 6 credits

Prerequisites: Eighteen credits in Education and permission of instructor

The student will be guided in the selection of one or more research problems and in the organization of the problems, methods of gathering data, procedure for analyzing data, and best practice for interpreting and reporting data.

Graduate Staff

ED 630 PHILOSOPHY OF INDUSTRIAL ARTS

2 (2-0) f s

Required of all graduate students in Industrial Arts Education

Current and historical developments in industrial arts; philosophical concepts, functions, scope, criteria for the selection and evaluation of learning experiences, laboratory organization, student personnel programs, community relationships, teacher qualifications, and problems confronting the industrial arts profession.

Mr. Hostetler

ED 635 ADMINISTRATION AND SUPERVISION OF INDUSTRIAL ARTS

2 (2-0) f s

A study of the problems and techniques of administration and supervision in the improvement of industrial arts in the public schools. Selection of teachers and their improvement in service and methods of evaluating industrial arts programs.

Mr. Hostetler

— — — — — INDUSTRIAL ENGINEERING

IE 206 INDUSTRIAL ORGANIZATION AND MANAGEMENT

3 (3-0) f s

Prerequisite: Sophomore standing

An introduction to the organizational, production and supervision problems of modern management. Includes basic principles and techniques for the solution of industrial problems in Internal Organization, Production Control, Cost Control, Wage Administration, Materials Control and other managerial functions.

IE 217 MACHINE TOOLS

1 (0-2) f s

Prerequisite: Sophomore standing

One session two hours each week consisting of lecture, demonstrations and student projects. Dimensional control, press forming, power cutting of metals including turning, milling, shaping, and finishing. Selection and use of cutting tools, speeds and feeds.

IE 218 METAL FORMING

1 (0-2) f s

Prerequisite: Sophomore standing

One session two hours each week consisting of lecture, demonstrations and student projects. Survey of pattern making, foundry, die casting, non-ferrous casting, welding, flame cutting, heat treating.

IE 224 WOOD WORKING EQUIPMENT

3 (2-3) s

Classwork covers the description of cutting, sanding and assembly equipment and an explanation of the type of operation done by each kind of equipment. The theory of cutting and sanding and cutterhead and saw design are covered. Laboratory work consists of setting up, operating and maintaining typical furniture production equipment supplemented by visits to furniture plants.

IE 241 ADVANCED WELDING LABORATORY

1 (0-3) f s

Prerequisite: IE 116 or permission of instructor

A study of mechanization as applied to oxygen cutting, to the various types of shielded metal arcs and to gas welding. Jigs, fixtures and positioners. Selection of welding process. Joint design and welding costs. Welds and stress distribution.

IE 269 WELDING AND PIPE SHOPWORK

1 (0-3) s

Required of sophomores in Heating and Air Conditioning

Fundamentals of welding, both arc and gas, cutting equipment; safety in the use of equipment; application of low temperature and non-ferrous alloys; cutting, threading, reaming and erection of iron pipe; copper tubes and fittings in heating and air conditioning work.

IE 301 ENGINEERING ECONOMY

2 (2-0) f s

Prerequisite: Junior standing

A study of the alternatives involved in engineering problems. Development of analytical methods for evaluating the worth of engineering alternatives in relation to the cost of the service provided. Handling of depreciation expense. Overhead, sunk, fixed and increment costs involved in engineering alternatives. Problems of equipment replacement.

IE 310 INDUSTRIAL SAFETY

2 (2-0) f s

A course in the causes and prevention of industrial accidents.

IE 312 MOTION AND TIME STUDY

3 (3-0) f s

Prerequisite: Junior standing

A course designed for non-industrial engineering students. Principles and techniques of motion and time study. Types and uses of predetermined time systems; stopwatch time study, principles and methods of rating, application of allowances and standard data

INDUSTRIAL ENGINEERING

IE 322 FURNITURE DESIGN AND CONSTRUCTION

2 (0-6) f

An introduction to furniture drawing and construction. Furniture styles and periods are briefly covered by lectures and illustrations. Original detail drawings are made by the students from artists' sketches and general specifications. From these, students are required to make up complete bills of materials.

IE 326 FURNITURE MANUFACTURE AND PROCESSING

3 (2-3) s

Prerequisite: IE 224

A study of the production methods of the Furniture Industry. Class work includes the production procedures from the yard through the machine, cabinet, finishing, upholstery, and shipping departments. The laboratory period is supplemented by visits to furniture plants. Particular attention is paid to production rates by departments, based on number of men and supervisors, the quality of product produced and equipment used.

IE 327 FURNITURE MARKETING

2 (2-0) s

Study of basic factors bearing on selection of ideal location, equipment and organization to serve a specific market with a specific furniture product, and selection of ideal market and product for a specific factory. In addition to lectures, each student will select one project for which he will work out a solution for correlating product and market.

IE 328 MANUFACTURING PROCESSES

3 (2-3) f

Prerequisites: IE 217, 218

The basic processes of conversion of raw materials into producer and consumer goods. The cost reduction aspects of machine tools, jigs and fixtures in volume production. Study of industrial trends to meet needs of an expanding economy. Selected problems illustrating a wide variety of manufacturing situations.

IE 332 MOTION AND TIME STUDY

4 (3-3) f s

Prerequisite: Junior standing; corequisite: IE 206 or EC 425

Principles and techniques of motion and time study; detailed study of charting operator movements; micromotion study, Predetermined time data and its applications; stopwatch time study with emphasis on rating, allowances and standard data theory and practice.

IE 334 MOTION AND TIME STUDY

3 (0-3) f

A course designed for non-industrial engineering students. Principles and techniques of motion and time study. Types and uses of predetermined time systems; stopwatch time study, principles and methods of rating, application of allowances and standard data.

IE 341 FURNITURE PLANT LAYOUT AND DESIGN

3 (2-3) f

Prerequisite: IE 326

Problems in industrial plant design with special reference to furniture manufacture; building structures, equipment location, space utilization, layout for operation and control; allied topics in power utilization, light, heat, ventilation, and safety. Laboratory period.

IE 343 PLANT LAYOUT AND MATERIALS HANDLING

4 (3-3) s

Prerequisites: IE 328 IE 332

Problems in plant arrangement and layout to obtain most effective utilization of men, materials, and machines as related to space and costs. Includes consideration of heat, light, ventilation, organization, control, material flow and handling, working conditions, safety and other factors as they affect the most satisfactory layout of the plant.

IE 346 FURNITURE DESIGN AND CONSTRUCTION II

2 (2-0) f

Prerequisite: IE 326

Lecture and laboratory work on the design and construction of modern and period furniture. The course emphasizes construction features that are economical of labor and materials and are adaptable to mass production. Students are required to complete an original design and detailed drawing of a piece of furniture as one requirement of the course.

IE 408 PRODUCTION CONTROL

3 (2-3) f

Prerequisite: Senior Standing

Planning scheduling and dispatching of production in manufacturing operations; construction of sales requirements into production orders; construction of production budgets and their relation to labor, materials and machines; laboratory project involving the development and operation of the production control system of a typical plant.

IE 425 SALES AND DISTRIBUTION METHODS

2 (2-0) s

An analysis of the distribution of industrial and consumer products; the effect of increased productivity on sales and distribution channels; development and marketing of new products; merchandising and packaging. Sales training and sales engineering programs.

INDUSTRIAL ENGINEERING

IE 430 JOB EVALUATION AND WAGE ADMINISTRATION

3 (2-3) s

Prerequisite: Senior Standing

Job analysis, classification and specification. Grading, ranking, factor comparison and point systems of job evaluation in determining equitable rates for job content. Wage surveys and merit rating. Utilization of time standards in design, installation and operation of financial incentive plans. Comparison of various wage and salary plans. Effect of wage payment methods on industrial relations practices.

IE 443 QUALITY CONTROL

3 (2-2) f

Prerequisite: ST 361

Economic balance between cost of quality and value of quality, and techniques for accomplishing this balance. Organization for, specification and utilization of quality controls. Statistical theory and analyses as applied to sampling, control charts, tolerance determination, acceptance procedures and control of production.

IE 451, 452 SEMINAR

1 (1-0) f s

A weekly meeting of senior students to assist the transition from a college environment to that of industry. Lectures, problems, presentation of papers and outside speakers. Employment practices and procedures useful in job finding.

IE 515 PROCESS ENGINEERING

3 (3-0)

Prerequisite: IE 408

The technical process of translating product design into a manufacturing program. The application of industrial engineering in the layout, tooling, methods, standards, costs and control functions of manufacturing. Laboratory problems covering producer and consumer products.

IE 517 PRINCIPLES OF AUTOMATIC PROCESSES

3 (3-0) s

Prerequisites: IE 443, 408

Principles and methods for automatic processing. The design of product, process, and controls. Economic, physical, and sociological effects of automation.

IE 519 DISTRIBUTION ENGINEERING

3 (3-0)

Prerequisite: IE 408

The application of the Industrial Engineering principles and techniques of time study, methods analysis, materials handling, standards and controls to the field of distribution. Collection, analysis, and interpretation of data and case studies in the retailing, wholesaling, transportation, warehousing and service fields.

IE 521 CONTROL SYSTEMS AND DATA PROCESSING

3 (3-0) f

Prerequisites: IE 443, 408

This course is designed to train the student in the problems and techniques required for systematic control of the production process and the business enterprise. This includes training in the determination of control factors; the collection and recording of data; and the processing, evaluation and use of data. The course will illustrate the applications and use of data processing equipment and information machines in industrial processes. The course will train the student in the design of systems to facilitate the above requirements with most effective utilization of time, money, and space. Case problems will be used extensively.

IE 543 STANDARD DATA

3 (3-0) f

Prerequisite: IE 430

Theory and practice in developing standard data from stopwatch observations and predetermined time data; methods of calculating standards from data; application of standard data in cost control, production planning and scheduling, and wage incentives.

IE 551 STANDARD COSTS FOR MANUFACTURING

3 (3-0) s

Prerequisites: EC 401; IE 430

The development, application and uses of standard costs as a management tool; use of industrial engineering techniques in establishing standard costs for labor, material and overhead. Analysis of variances and setting of budgets. Measures of management performance.

IE 581, 582 PROJECT WORK

2 (0-6) f s

Investigation and report on an assigned problem for students enrolled in the fifth-year curriculum in Industrial Engineering.

IE 635 PLANNING FOR PRODUCTION

3 (3-0)

Prerequisite: IE 408

A study of the factors to be considered in developing an effective and realistic plan of production for a manufacturing company; analyses of sales demands, market trends and business conditions. Construction of long range production schedules and finished good inventory controls; planning for material purchasing, equipment acquisition and labor requirements; economic and cost factors of inventory turnover rates.

LANDSCAPE ARCHITECTURE

IE 651, 652 SPECIAL STUDIES IN INDUSTRIAL ENGINEERING 1 to 3 credits f s

The purpose of this course is to allow individual student or small groups of students to take on studies of special areas in Industrial Engineering which fit into their particular program and which may not be covered by existing industrial engineering graduate level courses. The work would be directed by a qualified staff member who had particular interest in the area covered by the problem. Such problems may require individual research and initiative in the application of industrial engineering training to new areas or fields.

IE 671, 672 SEMINAR 1 (1-0) f s

Seminar discussion of industrial engineering problems for graduate students. Case analyses and reports.

IE 691 INDUSTRIAL ENGINEERING RESEARCH 2 to 6 f s

Graduate research in Industrial Engineering for thesis credit.

Note: IE 543, 551, 581, 582; IE 651, 652, 671, 672, 691 are offered each year; other 500 and 600 number courses are offered in alternate years.

LANDSCAPE ARCHITECTURE — — — — —

COURSES FOR UNDERGRADUATES

LA 212 LANDSCAPE CONSTRUCTION I 3 (3-3) s

The physical elements of landscape design; earth work, structures, preparation of grading and master construction plans. Design of the Horizontal and vertical alignment of roads and earth work quantity estimates.

Mr. Clarke

LA 301, 302 LANDSCAPE DESIGN I, II

Prerequisite: DN 202

Required of all third year students in Landscape Architecture

Landscape origination, investigation, and analysis as applied to design problems. Space concepts in area design.

Mr. Clarke

LA 311, 312 LANDSCAPE CONSTRUCTION AND MATERIALS I, II 4 (2-6) f s

Prerequisite: DN 202

Required of all third year students in Landscape Architecture

Landscape structures, materials, and land form, as a continuation and application of construction course in Civil Engineering (CE 101, 102).

Mr. Clarke

LA 401, 402 LANDSCAPE DESIGN III, IV 6 (0-12) f s

Prerequisite: LA 302

Required of all fourth year students in Landscape Architecture

Area design continued and related to planting and construction courses. Larger scale landscape design and site planning. Introduction to regional problems.

Mr. Clarke

LA 421, 422 PLANTING DESIGN 4 (2-6) f s

Prerequisites: HRT 202, LA 302, 312

Required of all fourth year students in Landscape Architecture

The appraisal of plants as objects of design and their orderly arrangement for landscape effect. Techniques for recording designs, specifications, and cost estimates.

Mr. Thurlow

LA 501, 502 LANDSCAPE DESIGN V, VI 8 (0-12) f 9 (0-12) s

Prerequisite: LA 402

Required of all fifth year students in Landscape Architecture

Area design continued. The rural and urban landscape.

Mr. Clarke

MATHEMATICS — — — — —

COURSES FOR UNDERGRADUATES

MA 101 FIRST YEAR MATHEMATICS FOR ENGINEERS 5 (4-2) f s

Required of freshmen in the School of Engineering

Rectangular coordinates, functions and graphs, linear equations and determinants, quadratic equations, inequalities, systems of equations involving quadratics, proportion and variation, binomial theorem, progressions, logarithms, exponential and logarithmic curves, trigonometric functions of general angle, derivation of trigonometric identities and formulas, the solution of plane triangles, with practical applications, slide rule.

MA 102 FIRST YEAR MATHEMATICS FOR ENGINEERS

4 (3-2) f s

Prerequisite: MA 101

Required of freshmen in the School of Engineering

Radian measurement of angles, trigonometric curves, inverse trigonometric functions, trigonometric equations, complex numbers, theory of equations, loci of equations, the straight line, circle, parabola, ellipse hyperbola, the general equation of second degree curve sketching, polar coordinates, parametric equations, curve fitting, coordinates in space, planes, lines and surfaces.

MA 111 ALGEBRA AND TRIGONOMETRY

4 (3-2) f s

Exponents and radicals, fractions, quadratic equations in one and two unknowns, radical equations, logarithms, progressions, binomial theorem, solution of higher degree equations by linear interpolation, geometric theorems and problems, the trigonometric functions, fundamental relationships, the right triangle by tables and slide rule simple identities and equations, the oblique triangle.

MA 112 ANALYTIC GEOMETRY AND CALCULUS A

4 (3-2) f s

Prerequisite: MA 111

A unified course, beginning with elementary ideas in analytic geometry and calculus, with the introduction of additional work in trigonometry where needed; rectangular and polar coordinate systems, the fundamental locus problem, lines and conic sections, curve tracing, the derivative, with applications to geometry and simple practical problems.

MA 122 MATHEMATICS OF FINANCE AND ELEMENTARY STATISTICS

4 (3-2) f s

Prerequisite: MA 111

Simple and compound interest, annuities and their applications to amortization and sinking fund problems, installment buying, calculation of premiums of life annuities and life insurance, elementary statistics.

MA 211, 212 ANALYTIC GEOMETRY AND CALCULUS B, C.

3 (2-2) f s

A continuation of MA 112

Prerequisite: MA112

An integrated course in the fundamentals of calculus, including formal differentiation and integration. Basic applications to geometry, rates, maxima and minima, areas, volumes, first and second moments, and centroids are included. Additional topics from analytic geometry, not covered in MA 112, are introduced as needed as a basis for calculus.

MA 201 CALCULUS I

4 (3-2) f s

Prerequisite: MA 102

Required of sophomores in the School of Engineering

A course in the fundamentals of the Calculus including the formulas for differentiation and for differentials; the integrals of polynomial functions; applications to geometry, maxima and minima, areas, volumes, moments of area, work, fluid pressure; related rates, rectilinear and curvilinear motion; Newton's Method of approximation of roots.

MA 202 CALCULUS II

4 (3-2) f s

A continuation of MA 201

Prerequisite: MA 201

Methods of integration; definite integral with applications to length of arc, surface area, volumes, centroids and moments of inertia; Simpson's rule; indeterminate forms, infinite series, expansion of functions; hyperbolic functions, partial differentiation; multiple integration.

MA 401 DIFFERENTIAL EQUATIONS

3 (3-0) f s

Prerequisite: MA 202 (One year of calculus)

Required of juniors in Electrical Engineering. Elective for others

A first course in ordinary differential equations, handling standard types, proceeding to linear equations of higher order; some operator methods; applications to geometrical, growth, and solution problems, and to dynamical and electrical systems, higher degree equations of order one; special equations of order two; further special applications.

MA 402 THEORY OF EQUATIONS

3 (3-0) f

Prerequisite: MA 202 (One year of calculus)

Algebraic equations: isolation of roots, numerical approximations to roots, the Graeffe method; application of approximation procedures to transcendental equations; systems of linear equations, determinants and introduction to matrix theory.

MA 403 FUNDAMENTAL CONCEPTS OF ALGEBRA

3 (3-0) f

Prerequisite: MA 202 (One year of calculus)

An introduction to modern algebra: numbers, fields, rings, groups, vectors and vector spaces, linear transformations, matrices, algebra and classes, ideals and algebraic numbers.

MATHEMATICS

MA 404 FUNDAMENTAL CONCEPTS OF GEOMETRY

3 (3-0) s

Prerequisite: MA 202 (One year of calculus)

Laws of logic; postulates and theorems; geometries based on different postulates projective geometry; affine geometry; geometric transformations; Euclidean geometry; non-Euclidean geometry.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

MA 501 NUMERICAL METHODS I

3 (3-0) f

Prerequisite: MA 202 (One year of calculus)

Construction of scales to represent functions including the construction of some special purpose slide rules and networks; alignment charts, theory of least squares and curve fitting, including periodic functions; Newton's interpolation formula; the error curve and some of its properties.

Staff

MA 502 NUMERICAL METHODS II

3 (3-0) s

Prerequisite: MA 401, 501

Interpolation formulas of Lagrange, Bessel, and Sterling; divided differences, subtabulation; numerical differentiation and integration; numerical methods of solving ordinary and partial differential equations.

Staff

MA 511 ADVANCED CALCULUS I

3 (3-0) f s

Prerequisite: MA 401

Continuity; Taylor's series with remainder; infinitesimals; differentials; review of convergence test for infinite series; hyperbolic functions; partial differentiation; directional derivatives; implicit functions; Jacobians; elements of differential geometry, differentiation of integrals; improper integrals. Application to problems in engineering.

Staff

MA 512 ADVANCED CALCULUS II

3 (3-0) s

Prerequisite: MA 511

Gamma and Beta functions; line, surface, and space integrals; Green's theorem; Stoke's theorem; expansion of functions in Fourier series, applications to boundary value problems; introduction to the theory of functions of a complex variable, including simple mapping problems, contour integration and residue theory; elliptic integrals.

Staff

MA 514 BOUNDARY VALUE PROBLEMS

3 (3-0) f

Prerequisite: MA 511, 512 (One year of advanced calculus)

Ordinary homogeneous and non-homogeneous differential equations with boundary values; elements of partial differential equations; applications of Fourier series and other methods to the solutions of certain boundary value problems in partial differential equations; harmonic functions.

Staff

MA 521 ADVANCED GEOMETRY

3 (3-0) f

Prerequisite: MA 202 (One year of calculus)

Coordinates in space; direction angles and cosines; planes, lines, points; matrices; surfaces and curves; quadric surfaces; transformations; analysis of general equation of degree 2; matrix algebra and its applications; introduction to algebraic geometry.

Staff

MA 522 THEORY OF PROBABILITY

3 (3-0) s

Prerequisite: MA 401

Definitions, discrete and continuous sample spaces, combinatorial analysis, Sterling's formula, simple occupancy and ordering problems, conditional probability, repeated trials, compound experiments, Bayes' theorem, binomial, Poisson and normal distributions, the probability integral, random variables, expectation.

Staff

MA 532 ADVANCED DIFFERENTIAL EQUATIONS

3 (3-0) s

Prerequisite: MA 401

Series solutions of differential equations; approximate methods; the gamma functions; Bessel functions; Legendre polynomials; introduction to the solution of partial differential equations and applications.

MA 533 HISTORY OF MATHEMATICS

3 (3-0) s

Prerequisite: MA 202 (One year of calculus)

Evolution of the number systems; trends in the development of modern mathematics; lives and contributions of outstanding mathematicians.

Staff

MA 535 AN INTRODUCTION TO COMPUTERS

3 (3-0) f

Prerequisite: MA 401 and any other advanced course

Introduction to the theory of both analog and digital computers; number systems, error analysis, types of computers and memory systems; experience in programming for IBM and GEDA equipment that is on the Campus.

MA 541 VECTOR ANALYSIS

3 (3-0) s

Prerequisite: MA 401

The algebra of vectors and dyadics; elementary space geometry in vector form; scalar and vector differentiation of scalar, vector and dyadic functions; curvilinear coordinates; line, surface, and volume integrals; integral transformations; applications.

Staff

COURSES FOR GRADUATES ONLY

MA 602 PARTIAL DIFFERENTIAL EQUATIONS

3 (3-0) s

Prerequisite: MA 511, 512 (One year of advanced calculus)

Partial differentiation, functional dependence, envelopes, eliminants, Lagrange's equation, general and complete integrals, non-linear equations of first and higher orders; Fourier series with applications to problems in vibrations, heat and fluid flow, electricity; boundary value problems.

Mr. Mumford

MA 604 ORTHOGONAL FUNCTIONS

3 (3-0) f

Prerequisite: MA 512 (One year of advanced calculus) or consent of the instructor

The development of the theory and properties of general orthogonal functions; applications to Fourier, Bessel, Legendre, Hermite, Laguerre and Tchebycheff types of orthogonal functions. Methods developed here will be used in the solution of problems from physics and engineering.

Graduate Staff

MA 611 COMPLEX VARIABLE THEORY AND APPLICATIONS

3 (3-0) f

Prerequisites: MA 511, 512 (One year advanced calculus)

Elementary functions; analytic functions and Cauchy-Riemann equations; conformal mapping and applications; Taylor and Laurent series; contour integration and residue theory; the Schwarz-Christoffel transformation.

Mr. Bullock

MA 612 ADVANCED COMPLEX VARIABLE THEORY AND APPLICATIONS

3 (3-0) s

Prerequisite: MA 611

A continuation of MA 611. Further development of residue theory; further applications of conformal mapping to flow phenomena; multiple-valued functions and Riemann surfaces; analytic continuation; elliptic functions; differential equations.

Mr. Bullock

MA 622 ADVANCED ALGEBRA

3 (3-0) s

Prerequisite: MA 202 (One year of calculus)

Introduction to matrices; vector spaces; equivalence, rank, inverse of matrices; determinants; congruence; quadratic forms; polynomials over a field; similarity characteristic roots.

Messrs. Nahikian, Strobel

MA 623 CALCULUS OF FINITE DIFFERENCES AND DIFFERENCE EQUATIONS

3 (3-0) s

Prerequisite: MA 401

Symbolic methods, generating functions, factorial, gamma, and beta functions; binomial coefficients, methods of summation; the numbers and polynomials of Bernoulli, Boole, Euler, Sterling; interpolation; difference equations.

Mr. Levine

MA 632 OPERATIONAL MATHEMATICS

3 (3-0) f

Prerequisite: MA 611 or consent of instructor

Laplace transform and applications to solutions of ordinary and partial differential equations arising from engineering problems. Fourier integral and Fourier transforms and applications.

Mr. Cell

MA 633 ADVANCED OPERATIONAL MATHEMATICS

3 (3-0) s

Prerequisite: MA 632

(This course will ordinarily be offered in alternate years)

Extended development of the Laplace and Fourier transforms, Hankel and other transforms in solution of problems in ordinary and partial differential equations and in difference equations; Sturm-Liouville.

Mr. Cell

MATHEMATICS

MA 635 MATHEMATICS OF COMPUTERS

3 (3-0) s

Prerequisite: MA 512 and 535

Corequisite: MA 622

Boolean Algebra and logical design; advanced programming including abstract methods; error analysis, special techniques; applications to solution of problems in linear and nonlinear ordinary and partial differential equations, systems of simultaneous linear algebraic equations, integral equations, etc.

Messrs. Bullock, Cell

MA 641 CALCULUS OF VIBRATIONS

3 (3-0) f

Prerequisite: MA 511

The simplest problem of the Calculus of Variations in detail; variable and end-points; iso-perimetric problems; Hamilton's Principle; Least Action Principle; generalizations.

Mr. Winton

MA 651 EXPANSION OF FUNCTIONS

3 (3-0) f

Prerequisites: MA 611 and 632 or consent of instructor

(Course offered in alternate years)

Expansion of functions of one or several variables in Taylor series; asymptotic series; infinite products, partial fractions, continued fractions, series of orthogonal functions; Fuchsian theory in ordinary differential equations.

Mr. Cell

MA 661 TENSOR ANALYSIS I

3 (3-0) f

Prerequisites: MA 512, 541

Recommended (but not required) MA 521, 602, 622

The basic theory; tensor algebra, tensor calculus; invariant theory; quadratic differential forms; covariant differentiation, curvature tensor; geometric applications, Riemannian spaces, parallelism, geodesics, normal coordinates; generalized vector analysis; physical applications: Dynamics, Lagrange's equations, generalized coordinates; the geometry of dynamics; kinematic and action line elements, holonomic and non-holonomic systems; configuration space, dynamics in n-dimensions.

Mr. Levine

MA 662 TENSOR ANALYSIS II

3 (3-0) s

Prerequisite: MA 661

Continuation of physical applications. Elasticity: finite strains, equations of compatibility, strain invariants, stress tensor, equations of motion, generalized Hooke's law, isotropic stress-strain relations; Hydrodynamics: perfect fluids, viscous fluids, viscosity tensor; Equations of motion; Electromagnetic theory: Maxwell's equations, plane waves, stress-energy tensor; Relativity: Lorentz transformation, field equations, Schwarzschild solution, planetary orbits.

Mr. Levine

MA 681, 682 SPECIAL TOPICS IN MATHEMATICS

3 (3-0) f s

Prerequisite: Graduate standing and consent of instructor

Elective

This course provides and opportunity for small groups of graduate students to study, under the direction of qualified members of the professional staff, advanced topics in their special fields of interest.

Graduate Staff

MA 691 RESEARCH IN MATHEMATICS

Credits by arrangement

Prerequisite: Graduate standing and approval of advisor

Individual research in the field of mathematics.

MATHEMATICS AND SCIENCE EDUCATION — — —

ED 470 METHODS OF TEACHING MATHEMATICS

3 (3-0) f

A study of the purposes, methods, materials and evaluation practices appropriate for teachers of mathematics at the secondary level.

ED 471 STUDENT TEACHING IN MATHEMATICS

10 (2-20) f

This course is intended to provide the prospective teacher with an opportunity to get experience in the skills and techniques involved in teaching mathematics. Each student during the senior year will spend one quarter off-campus in a selected center. In addition to acquiring the necessary competencies for teaching mathematics, the student teacher will also have an opportunity to become familiar with the total school program and to participate in as many community activities as time will permit during the period of student teaching.

ED 475 METHODS OF TEACHING SCIENCE

3 (3-0) f

A study of the purposes, methods, materials and evaluation practices appropriate for teachers of physical and natural science at the secondary level.

MECHANICAL ENGINEERING

ED 476 STUDENT TEACHING IN SCIENCE

10 (2-20) f

This course is intended to provide the prospective teacher with an opportunity to get experience in the skills and techniques involved in teaching science. Each student during the senior year will spend one quarter off-campus in a selected center. In addition to acquiring the necessary competencies for teaching science, the student teacher will also have an opportunity to become familiar with the total school program and to participate in as many community activities as time will permit during the period of student teaching.

MECHANICAL ENGINEERING

COURSES FOR UNDERGRADUATES

ME 101, 102 ENGINEERING GRAPHICS I, II

2 (0-4) f s

Corequisite: MA 101 or MA 111

The objective of these courses is to teach the student the proper methods and procedures for interpreting this medium of communication by the various theories and practices in the graphical field. Emphasis will be placed on instrument practice; geometrical construction; free hand technical sketching of all projects; completion of prepared worksheets; projections; sections; auxiliary projections; revolution; pictorial projections; fasteners, intersection and development; details and assemblies; charts and graphs; tracing and demonstrations in various reproductions; geometrical magnitudes represented by points, lines, planes and solids with emphasis upon visualization.

ME 271, 272 AIR CONDITIONING DRAWING I, II

2 (0-4) f s

Prerequisite: ME 102

Required of sophomores in Heating and Air Conditioning

Drawing board work on heating symbols; sheet metal drawing, duct layout, steam piping (single line, double line, isometric and other pictorials); hot water and other piping, valves, traps, filters, and miscellaneous equipment; boiler hookups and connections; compressor and condenser layout; use of catalog data and tables as applied to drafting practices.

ME 301 ENGINEERING THERMODYNAMICS I

3 (3-0) f or s

Prerequisites: MA 202, PY 201

Fundamental laws of energy transformations with emphasis on the First and Second Laws; behavior of gases and vapors; elementary applications.

ME 302 ENGINEERING THERMODYNAMICS II

3 (3-0) s

Prerequisite: ME 301

A continuation of Engineering Thermodynamics I for Mechanical Engineering juniors. Thermodynamics of gaseous mixtures, combustion, gas compressors, steam turbines, refrigeration, air conditioning, internal combustion engines, and gas turbines.

ME 303 ENGINEERING THERMODYNAMICS III

3 (3-0) f

Prerequisite: ME 301

A continuation of Engineering Thermodynamics I for non-Mechanical Engineering students. Applications of fundamental thermodynamic principles, particularly in the Heat Power field, elements of heat transfer.

ME 304 FUNDAMENTALS OF HEAT POWER

3 (3-0) f

Prerequisite: PY 212

Energy and energy transformations, including a brief discussion of measurements of quantities involved. Properties of working substances, particularly steam. Elementary combustion of fuels. Steam power cycles and applications to steam turbines. Elements of Heat Transfer.

ME 305, 306 MECHANICAL ENGINEERING LABORATORY I, II

1 (0-3) f s

Corequisite: ME 301, 302

Instrumentation as applied to pressure, temperature, speed, power, and fluid flow measurements; determination of properties of fuels and lubricants; applications of instrumentation to determination of characteristics of nozzles, pumps, turbines and compressors.

ME 311 KINEMATICS

3 (1-6) f or s

Prerequisites: ME 102, EM 311

Corequisite: EM 312

Required of juniors in ME and MEA.

This course is a study of kinematics of machines and consists of a systematic study of the displacements, velocities, and accelerations which occur in mechanisms.

ME 312 DYNAMIC ANALYSIS

3 (1-6) s

Prerequisites: ME 311

Required of juniors in ME

The analysis and control of forces in machines. Includes inertia forces, free and forced vibrations, and control systems.

MECHANICAL ENGINEERING

ME 351 ELEMENTS OF AERONAUTICAL ENGINEERING

3 (3-0) f

Prerequisites: MA 202, PY 202

Corequisite: EM 312

The airplane and its component parts, terminology, basic fluid mechanics and the principles of flight, airfoil characteristics, and an introduction to performance and stability analysis.

ME 352 AERODYNAMICS

3 (3-0) s

Prerequisite: ME 351, MA 401

Fundamental concepts underlying experimental aerodynamics, the aerodynamicist's data, elementary flow theory, Reynolds number and the effect of viscosity, Mach number and compressibility, finite wing theory.

ME 371, 372 ELEMENTS OF HEAT POWER I, II

3 (3-0) f s

Prerequisites: MA 201, PY 212

Required of juniors in Heating and Air Conditioning

Basic laws of thermodynamics; applications to gaseous mixtures, combustion, compressors, refrigeration, heating and air conditioning; principles of steam power plants with emphasis on generation of steam and availability of by-product steam for heating purposes.

ME 375, 376 AIR CONDITIONING LABORATORY I, II

1 (0-3) f s

Concurrent with ME 371, 372

Required of juniors in Heating and Air Conditioning

The use, limitation and calibration of instruments for the measurement of temperature, pressure, power, speed and fluid flow; measurement of properties of fuel and lubricants; determinations of characteristics of pumps, compressors and turbines.

ME 377 BUILDING MECHANICS A

3 (3-0) s

For third year Architecture students only

Heating principles, systems and control; air conditioning principles, systems and controls; fuels, ventilation; pumps; and acoustical control.

ME 378 BUILDING MECHANICS B

3 (3-0) f

For fourth year Architecture students only

Principles of plumbing including venting, drainage, demand and load calculations, water distribution, pipe sizing, storm drainage, sprinkler systems; elevators and conveyors; illumination, lighting and power circuits, panels and service connections and codes.

ME 379 MECHANICAL EQUIPMENT OF BUILDING

3 (3-0) s

Prerequisite: ME 371

Required of seniors in Heating and Air Conditioning

Study of mechanical equipment of buildings including elevators, pumps, drainage and venting, pipe sizing of water lines, hot water storage and distribution, sprinkler systems, State and local codes for plumbing, heating, electrical and building trades; acoustical control, and the principles of wiring specifications for the mechanical trades.

ME 381, 382 AIR CONDITIONING I, II

3 (3-0) s f

Prerequisite: ME 371

Required of seniors in Heating and Air Conditioning

Principles of heating and air conditioning and their applications to the design and operation of heating and air conditioning systems; methods of controls of various component parts of such systems.

ME 401 POWER PLANTS

3 (3-0) f or s

Prerequisite: ME 302

Required of seniors in Mechanical Engineering

Application of thermodynamics, economics and principles studied in other basic courses of the mechanical engineering curriculum to the engineering of thermal power plants including the energy balance, combustion, steam generators, prime movers, heat transfer devices, compressors, pumps and auxiliaries.

ME 403 INTERNAL COMBUSTION ENGINES

2 (2-0) f or s

Prerequisite: ME 302

The principles of thermodynamics, mechanics, and kinematics as applied to the design, construction, and operation of the internal combustion engines.

ME 405, 406 MECHANICAL ENGINEERING LABORATORY III, IV

1 (0-3) f s

Prerequisite: ME 306

Determinations of performance of heat power equipment with emphasis on heat transfer and fluid flow.

MECHANICAL ENGINEERING

ME 410 JET PROPULSION

3 (3-0) s

Prerequisite: ME 302 and ME 352 or EM 430

Application of fundamental principles of thermodynamics and the mechanics of a compressible fluid to the processes of jet-propulsion and turbo-propeller aircraft; the effect of performance of components on performance of engine; analysis of engine performance parameters.

ME 411, 412 MACHINE DESIGN II, III

3 (1-6) f s

Prerequisites: For ME 411: EM 321, for ME 412: ME 311, 411

Required of seniors in Mechanical Engineering

A study of the methods of designing machine elements to withstand steady and varying forces and to operate without excessive wear at friction areas. Elementary stress analysis is followed by combined stresses, applied to such elements as keys, shafts, springs, bearings, belting, clutches, brakes, frames, and gears.

ME 441, 442 TECHNICAL SEMINAR

1 (1-0) f s

Prerequisite: Junior or senior standing

Elective for juniors or seniors in ME

Meetings once a week for the delivery and discussion of student papers on topics of current interest in Mechanical Engineering.

ME 453 APPLIED AERODYNAMICS

3 (3-0) f

Prerequisite: ME 352

Determination of design data, tunnel wall and ground effect interference corrections, spanwise and chordwise load distributions, performance estimation, and stability and control analysis. Attention is given to transonic and supersonic aerodynamics.

ME 455, 456 AERONAUTICAL LABORATORY I, II

1 (0-3) f s

Prerequisites: ME 306, 352

Demonstration of wind tunnel testing methods and principles of fluid motion. Aerodynamic tests of airplane components and complete models. Calibration of instruments and other laboratory exercises related to aeronautical engineering.

ME 459 AIRCRAFT STRUCTURES

3 (3-0) f

Prerequisites: ME 351, EM 321

Theory of aircraft structures, design principles and methods of stress analysis, emphasis on thin-walled structures.

ME 461, 462 AIRPLANE DESIGN I, II

3 (1-6) f s

Prerequisites: For ME 461, ME 351; for ME 462: ME 461, 459

Design procedure, preliminary layout from design specifications, weight and balance performance estimation, control and stability analysis, principles of stress analysis.

ME 473 REFRIGERATION

3 (3-0) f

Prerequisite: ME 372

Required of seniors in Heating and Air Conditioning

The fundamental principles of refrigeration, the performance of various types of refrigerating machines and their applications to air conditioning; controls of such systems.

ME 475, 476 AIR CONDITIONING LABORATORY III, IV

1 (0-3) f s

Concurrent with ME 481, 482

Required of seniors in Heating and Air Conditioning

The testing of heat transfer equipment including feed water heaters, radiators, convectors, unit heaters, heating panels; heating boilers, hot air furnaces, stokers, oil burners; air conditioners of both the spray and coil types evaporative condensers.

ME 481, 482 AIR CONDITIONING DESIGN I, II

3 (1-6) f s

Prerequisite: ME 381

Required of seniors in Heating and Air Conditioning

The design, layout and cost estimates of various types of heating and air conditioning systems.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ME 501 STEAM AND GAS TURBINES

3 (3-0) f

Prerequisites: ME 302 and EM 430 or ME 352

Fundamental analysis of the theory and design of turbomachinery flow passages: control and performance of turbomachinery; gas-turbine engine processes.

ME 502 HEAT TRANSFER

3 (3-0) f or s

Prerequisite: ME 301

A study of the fundamental laws of heat transfer by conducting convection and radiation; steady and unsteady states heat transfer; elementary application to heat transfer equipment.

MECHANICAL ENGINEERING

ME 507, 508 INTERNAL COMBUSTION ENGINE FUNDAMENTALS

3 (3-0) f s

Prerequisite: ME 302

The fundamentals common to internal combustion engine cycles of operation. The Otto engine: carburetion, fuel distribution, flame propagation, normal and knocking combustion, throttling, pumping, valve and spark timing, and altitude effects; the Diesel engine: injection and spray formation fuel rating, atomization, penetration, diesel knock, combustion, pre-combustion, and scavenging as applied to reciprocating and rotary engines.

Staff

ME 509, 510 INTERNAL COMBUSTION ENGINE LABORATORY

2 (0-6) f s

Corequisite: ME 507

Laboratory exercises in the fields of spark-ignition and compression-ignition heat engines.

Staff

ME 511, 512 INTERNAL COMBUSTION ENGINE FUELS

2 (2-0) f s

Prerequisite: ME 302

A development of the formation, composition, processing, and treatment of gaseous, liquid, solid, and colloidal fuels, their preparation combustion ignition temperatures, inflammability, products of combustion, specifications, CRC tests and impurity determinations, as they would influence the design, operation, and maintenance of the internal combustion engine. The potentialities of new sources of energy are explored.

Staff

ME 513 ENGINE DESIGN

3 (3-0) s

Prerequisite: ME 507

Diesel engine parts, sub-assemblies, components, and their bearings and supports are studied from the aspect of strength, stress distribution, materials, method of manufacture, finishes and treatment. Frames, bases, moving parts, components and accessories are designed around standards adopted by the industry. Welding, casting, and forging practices of the industry are studied.

Staff

ME 514 DIESEL ENGINE APPLICATIONS

3 (3-0) s

Corequisite: ME 508

A study of the application of the Diesel engine in the fields of transportation, portable power plants, and stationary power plants. Case histories and methods for the selection of Diesel engines to satisfy the power requirements of each field are investigated.

ME 515 EXPERIMENTAL STRESS ANALYSIS

3 (2-3) f

Prerequisites: ME 312, EM 321

Stresses determined experimentally by photoelasticity methods, by mechanical and electrical strain gages, by brittle coatings, etc. Effects of varying stresses.

ME 517 LUBRICATION

3 (2-3) s

Prerequisite: EM 430

The theory of viscous and boundary lubrication. Bearing design from various approaches. Thermal equilibrium. Properties of lubricants.

ME 536 AIRCRAFT ENGINES

3 (3-0) s

Prerequisite: ME 302

Spark-ignition, compression-ignition, and jet engines are studied from the standpoint of design, construction, and operation and as they apply to aircraft.

Staff

ME 545, 546 PROJECT WORK IN MECHANICAL ENGINEERING I, II

2 (0-6) f s

Individual or group assigned design, construction, analytical or experimental projects in Mechanical Engineering.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ME 551 FLYING QUALITIES

3 (3-0) f

Prerequisite: ME 352

Evaluation of flying qualities of airplanes, important factors and criteria for design, analysis of stick-fixed and stick-free control and stability, maneuvering stability, lateral controllability, and stick force determination.

ME 552 AIRCRAFT APPLIED LOADS

3 (3-0) s

Prerequisite: ME 453

Determination of aerodynamics loads, maneuvering and gust loads, V-g diagram, span-wise distributions on unswept and swept wings, dynamic flight loads. Consideration of the load modifications in the transonic flight range.

ME 553 PROPELLER AND ROTARY WING DESIGN

3 (3-0) f

Prerequisite: ME 352

A study of the design of aircraft propellers and rotary wing theory and design. Discussion of problems of performance evaluation, control and stability, as applied to rotating wing aircraft.

MECHANICAL ENGINEERING

ME 554 ADVANCED AERODYNAMIC THEORY

3 (3-0) s

Prerequisite: ME 453

Development of fundamental aerodynamic theory. Emphasis upon mathematical analysis and derivation of equations of motion, airfoil theory and comparison with experimental results. Introduction to supersonic flow theory.

ME 562 ADVANCED AIRCRAFT STRUCTURES

3 (3-0) s

Prerequisite: ME 459

Development of methods of stress analysis for aircraft structures, special problems in structural design, stiffened panels, rigid frames, indeterminate structures, general relaxation theory.

ME 571 AIR CONDITIONING

3 (3-0) f

Prerequisite: ME 302

Principles of heating and ventilation; warm air, steam and hot-water heating systems; air conditioning.

ME 572 REFRIGERATION

3 (3-0) s

Prerequisite: ME 302

An analysis of the simple, compound, centrifugal and multiple effect compression system, the steam jet and the absorption systems of refrigeration.

COURSES FOR GRADUATES ONLY

ME 601, 602 ADVANCED ENGINEERING THERMODYNAMICS I, II

3 (3-0) f s

Prerequisite: ME 302 or ME 303

First and Second Laws; theory of variable specific heats; general equations of thermodynamics; characteristic equations of state; reduced coordinates; prediction of properties of gases and vapors; chemical equilibrium; metastable states; thermodynamics of fluid flow.

ME 603 ADVANCED POWER PLANTS

3 (3-0) f

Prerequisite: ME 401

A critical analysis of the energy balance of thermal power plants thermodynamics and economic evaluation of alternate schemes of development; study of recent developments in the production of power.

ME 604 NUCLEAR POWER PLANTS

3 (3-0) s

Prerequisites: ME 302, 502, EM 430, PY 419

Resources of fuels, power reactors, reactor materials and properties, coolants, pumps, heat exchangers, nuclear gas turbine power plants, nuclear steam power plants special purpose plants, the economics of nuclear power and selected topics on shielding waste disposal and health precautions.

Mr. Lee

ME 605, 606 INTERNAL COMBUSTION ENGINE CALCULATIONS

3 (3-0) f s

Prerequisite: MA 401

An advanced study of the conversion of chemical energy in spark-ignition and compression-ignition engines as influenced by Gibbs phase rule, Gibbs-Dalton law, fugacity of gas mixtures, in the analysis of conventional engine cycles, compound power cycles, closed cycles and Kreislauf cycle, in the determination of efficiencies and performance as functions of power output and ambient conditions. Kadenacy and inertia charging effects on two-cycle engines are analyzed.

ME 607, 608 INTERNAL COMBUSTION ENGINE VIBRATION ANALYSIS

3 (3-0) f s

Prerequisite: MA 401

Corequisites: ME 507, 508

Equivalent elastic systems and configurations for internal combustion engines and their rotating and reciprocating masses, elasticities of crankshafts, drive shafts, and couplings, methods of calculating natural frequencies, elastic modes, exciting torques, and stresses, energy absorbing and dynamic dampers, vibration isolators, vibrations in engine parts turbine blades, valve springs, intake and exhaust manifolds, injection pipes, and parallel operation are studied mathematically and graphically.

Staff

ME 609, 610 INTERNAL COMBUSTION ENGINE POWER PLANT DESIGN

3 (3-0) f s

Prerequisite: ME 508

The power requirements for typical industrial, municipal, institutional and regional power plants are analyzed, survey reports and specifications compiled, design and detail layouts executed, and installation schedules developed with the internal combustion engine as the source of power.

Staff

METALLURGICAL ENGINEERING

ME 611, 612 ADVANCED MACHINE DESIGN I, II

3 (3-0) f s

Prerequisite: ME 412

Stress analysis applied to advanced design problems; unsymmetric bending, curved beams, flat plates, non-circular members in torsion, thick walled cylinders, localized stresses; special problems according to the interests of the class.

ME 613 MECHANICS OF MACHINERY

3 (3-0) f

Prerequisite: ME 311

Kinetics of machines, with emphasis on inertia forces; balancing of machine members and reciprocating machines.

ME 641, 642 MECHANICAL ENGINEERING SEMINAR I, II

1 (1-0) f s

Faculty and graduate student discussions centered around current research problems and advanced engineering theories and developments.

ME 645 MECHANICAL ENGINEERING RESEARCH

3 to 6

Prerequisite: Graduate standing in ME and approval of adviser.

Individual research in the field of Mechanical Engineering.

ME 651 PRINCIPLES OF FLUID MOTION

3 (3-0) f

Prerequisite: ME 352 or equivalent

Co-requisite: MA 511

Fundamental principles of fluid dynamics. Mathematical methods of analysis are emphasized. Potential flow theory development with introduction to the effects of viscosity and compressibility. Two dimensional and three dimensional phenomena are considered.

ME 652 DYNAMICS OF COMPRESSIBLE FLOW

3 (3-0) s

Prerequisite: ME 651

Properties of compressible fluids, equation of motion of one-dimensional motion, channel flows, shock wave theory, methods of observation, and flows at transonic speeds.

ME 653 SUPERSONIC AERODYNAMICS

3 (3-0) f

Prerequisite: ME 652

Equations of motion in supersonic flow, Prandtl-Meyer turns, method of characteristics, hodograph plane, supersonic wind tunnels, supersonic airfoil theory, and boundary layer shock interaction.

ME 654 DYNAMICS OF VISCOUS FLUIDS

3 (3-0) s

Prerequisite: ME 651

Development of the Navier-Stokes equations and the boundary layer theory. Laminar and turbulent boundary layers in theory and experiment, flow separation, and transition.

ME 671, 672 ADVANCED AIR CONDITIONING DESIGN I, II

3 (3-0) f s

Prerequisites: ME 571, 572

The design of heating and air conditioning systems; the preparation of specifications and performance tests on heating and air conditioning equipment.

METALLURGICAL ENGINEERING— — — — —

COURSES FOR UNDERGRADUATES

MIM 201, 202 STRUCTURE AND PROPERTIES OF ENGINEERING MATERIALS I, II

3 (2-3) f s

Prerequisite: CH 103

I An introduction to the fundamental physical principles governing the structure and constitution of metallic and non-metallic materials of construction, and the relation of these principles to the control of properties.

II Important applications of engineering materials and criteria for selection of materials.

MIM 321 METALLURGY

3 (2-3) s

Prerequisite: CH 103

A general course in physical metallurgy including laboratory work.

The constitution, structure, and properties of metals and alloys.

MIM 331, 332 PHYSICAL METALLURGY I, II

3 (3-0) f s

Prerequisites: CH 103, MIM 201

Required of juniors in MTE

The fundamental principles of physical metallurgy with emphasis on correlation between structure, constitution, and properties of metals and alloys. A systematic development of the metallurgical aspects of atomic and crystalline structure, solid solutions, diffusion, precipitation hardening, elastic and plastic behavior, and recrystallization.

MILITARY AND AIR SCIENCE

MIM 421, 422 METALLURGY I, II

2 (2-0) f s

Prerequisite: CH 103

Required of seniors in ME

The constitution, structure and properties of engineering ferrous and non-ferrous metals and alloys; influences of mechanical working and heat treatment; physical testing, corrosion and its prevention.

MIM 423 METALLURGY LABORATORY

1 (0-3) f s

Corequisite: MIM 421, or 422

Laboratory experiments to accompany MIM 421, 422.

MIM 445, 446 EXPERIMENTAL ENGINEERING I, II

3 (1-6) f s

Prerequisite: MIM 422 or approval by instructor

Advanced engineering principles applied to a specific project dealing with metallurgy, metallography, or general experimental work. A seminar period is provided, and a written report is required.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

MIM 521, 522 ADVANCED PHYSICAL METALLURGY I, II

3 (3-0) f s

Prerequisite: MIM 422, or approval by instructor

Theories concerning behavior and control of engineering alloys, reaction rates in the solid state and alloy influences; current heat treating practices, surface treatments; behavior of metals at high and low temperatures; special purpose alloys; powder metallurgy; review of modern equipment and methods for the study of metals.

MIM 523 METALLURGICAL FACTORS IN DESIGN

2 (2-0) s

Prerequisite: MIM 422

Study of the metallurgical factors that must be considered in using metals in design.

MILITARY SCIENCE AND TACTICS

MILITARY SCIENCE—THE BASIC COURSE*

MS 101, 102 MILITARY SCIENCE I

2 (2-2) f s

Classroom instruction is given in Military History, Organization of the Army, Individual Weapons and Marksmanship, and Military Courtesy. On the drill field, emphasis is placed on development of teamwork, esprit de corps, and essential characteristics of leadership.

MS 201, 202 MILITARY SCIENCE II

2 (0-4) f s

Prerequisites: Military Science I or equivalent credit

Classroom instruction is given in Map Reading, Crew-served Weapons and Gunnery. On the drill field, emphasis is placed on development of teamwork, esprit de corps, essential characteristics of leadership, and acceptance of responsibility.

THE ADVANCED COURSE

MS 301, 302 MILITARY SCIENCE III

3 (2-4) f s

Prerequisites: Military Science I and II, or equivalent credit

Classroom instruction is given in Tactics, Organization, Function and Mission of the Arms and Services, Methods of Instruction, Communications, and Leadership. On the drill field, further emphasis is placed on acceptance of responsibility, exercise of command, and development of self-confidence, initiative and dignity in appearance and demeanor.

MS 401, 402 MILITARY SCIENCE IV

3 (2-4) f s

Prerequisites: Military Science III and satisfactory completion of six weeks' summer camp training.

Classroom instruction is given in Tactics, Logistics, Operations, Personnel Management, Military Administration, and Service Orientation. On the drill field, emphasis is placed on exercise of command, planning and executing all phases of training (instruction in basic fundamentals, inspections, ceremonies, and competitions) and maximum development of teamwork, esprit de corps, and leadership characteristics.

MODERN LANGUAGES

AIR SCIENCE—THE BASIC COURSE*

AS 121, 122 AIR SCIENCE I

2 (2-2) f s

Instruction is given in Introduction to Aviation, Fundamentals of Global Geography, International Tensions and Security Organizations, and Instruments of National Military Security, and Leadership Laboratory.

AS 221, 222 AIR SCIENCE II

2 (2-2) f s

Prerequisite: AS I or equivalent credit

Instruction is given in Elements of Aerial Warfare, Careers in USAF, and Leadership Laboratory—Cadet Non-Commissioned Officers' Training.

THE ADVANCED COURSE

AS 321, 322 AIR SCIENCE III

3 (4-2) f s

Prerequisites: AS I and II or equivalent credit

Instruction is given in Air Force Commander and Staff, Problem Solving Techniques, Communications Process and Air Force Correspondence, Military Justice System, Applied Air Science, Aircraft Engineering, Navigation and Weather, Air Force Base Functions, and Leadership Laboratory.

Note: Cadets attend Summer Camp after Air Science III and before taking Air Science IV.

AS 421, 422 AIR SCIENCE IV

3 (4-2) f s

Prerequisite: AS III

Summer Camp is critiqued. Instruction is given in Principles of Leadership and Management (Seminar), Career Guidance, Military Aspects of World Political Geography, Military Aviation and the Art of War, Briefing for Commissioned Service, and Leadership Laboratory.

* All veterans in service as long as six months are excused from this course but may enroll in the basic course in Army or Air Force ROTC to qualify for later enrollment in advanced courses. See also the Division of Military and Air Science and Tactics, pages 165-168.

MINERAL INDUSTRIES — — — — —

CERAMIC ENGINEERING (see pages 184-186)

GEOLOGY (see pages 224-226)

METALLURGICAL ENGINEERING (see page 252)

MODERN LANGUAGES — — — — —

FRENCH

ML 101 ELEMENTARY FRENCH

3 (3-0) f c

Structure, diction, pronunciation, and other matters of technique of the language, supplemented by readings and translations. No previous training in the language necessary.

ML 102 FRENCH GRAMMAR AND PROSE READING

3 (3-0) f s

Prerequisite: ML 101 or equivalent

A survey of the basic elements of grammar accompanied and illustrated by intermediate readings progressing to the reading of standard texts.

ML 201* FRENCH PROSE: SELECTIONS FROM MODERN FRENCH LITERATURE

3 (3-0) f s

Prerequisites: ML 101, 102 or equivalent

Selected readings from literary French of the 18th and 19th centuries. Attention given to the attainment of skill in reading and comprehension.

ML 202* FRENCH PROSE: FRENCH CIVILIZATION

3 (3-0) f s

Prerequisites: ML 101, 102 or equivalent

After a preliminary survey of the land and people of France, such topics as language, arts, science, literature, philosophy, etc., are given consideration. Parallel readings and reports.

* Courses numbered above ML 102 need not be followed as a sequence in their respective gamut.

MODERN LANGUAGES

ML 301 SURVEY OF FRENCH LITERATURE

3 (3-0) f s

Prerequisite: Junior or senior standing

Lectures illustrated by selected readings in translation covering the development of the novel, the drama, the short story and the poetry of France from the 12th century to the present. Parallel readings and reports. No language prerequisites.

ML 401, 402 INTRODUCTORY SCIENTIFIC FRENCH

3 (3-0) f s

Prerequisites: ML 201, 202 or equivalent

A study of scientific French of intermediate difficulty, supplemented with lectures on terminology and other linguistic techniques. The needs of students whose interest is that of the acquisition of a reading knowledge of the language are constantly kept in view. Basic technique of translation explained and demonstrated by means of personal conferences.

ML 501, 502 ADVANCED SCIENTIFIC FRENCH

3 (3-0) f s

Prerequisites: ML 401, 402 or equivalent

A study of scientific literature appearing in current bulletins, magazines and technical journals. Designed to meet the needs of students whose interest in the language is primarily that of reading ability. Choice of reading material adjusted to individual needs; may be taken by students of varying degrees of previous linguistic training.

GERMAN

ML 103 ELEMENTARY GERMAN

3 (3-0) f s

Study of the structure and technique of the language, supplemented by easy reading and translations. No previous training in the language necessary.

ML 104 GERMAN GRAMMAR AND PROSE READING

3 (3-0) f s

Prerequisite: ML 103 or equivalent

A course designed primarily for students who wish to attain proficiency in reading German. Attention given to basic grammar and vocabulary with practice in the translation and interpretation of German Prose.

ML 203* GERMAN PROSE: SELECTIONS FROM MODERN GERMAN LITERATURE

3 (3-0) f s

Prerequisites: ML 103, 104 or equivalent

Readings in German Literature, a study of representative authors and their contribution to the development of the German language and culture. Parallel readings and reports.

ML 204 GERMAN PROSE: GERMAN CIVILIZATION

3 (3-0) f s

Prerequisites: ML 103, 104 or equivalent**

Readings in the history and customs of Germany, supplemented by lectures on such topics as language, arts, science, philosophy, etc. Parallel readings and reports.

ML 303 SURVEY OF GERMAN LITERATURE

3 (3-0) f s

Prerequisite: Junior or senior standing

The study of various types of German Literature. A brief outline of German literary development. Parallel readings in translation. No previous training in the language necessary.

ML 403, 404 INTRODUCTORY SCIENTIFIC GERMAN

3 (3-0) f s

Prerequisites: ML 203, 204 or equivalent

A study of scientific German of intermediate difficulty supplemented with lectures on terminology and other linguistic techniques. The needs of students whose interest is that of the acquisition of a reading knowledge of the language are constantly kept in view. Basic technique of translation explained and demonstrated by means of personal conferences.

ML 503, 504 ADVANCED SCIENTIFIC GERMAN

3 (3-0) f s

Prerequisites: ML 403, 404 or equivalent

Reading and translations of relatively difficult technical German, supplemented by lectures on terminology, word order, vocabulary analysis and other linguistic techniques. Designed to meet the needs of students whose interest in the language is primarily that of reading ability. Choice of reading material adjusted to individual needs; may be taken by students of varying degrees of previous linguistic training.

SPANISH

ML 105 ELEMENTARY SPANISH

3 (3-0) f s

Structure, diction, pronunciation, and other matters of technique of the language, supplemented by easy readings. No previous training in the language necessary.

* Courses numbered above ML 104 need not be followed as a sequence in their respective gamut.

MODERN LANGUAGES

ML 106 SPANISH GRAMMAR AND PROSE READING

3 (3-0) f s

Prerequisite: ML 106 or equivalent

A survey of the basic elements of grammar accompanied and illustrated by intermediate readings progressing to the reading of standard texts.

ML 205* SPANISH PROSE: IBERIA

3 (3-0) f s

Prerequisites: ML 105, 106 or equivalent

Emphasis is placed upon translating Spanish prose and developing vocabulary. The readings give the student a comprehensive picture of the culture, geography, history and economy of Spain.

ML 206 SPANISH PROSE: HISPANO-AMERICA

3 (3-0) f s

Prerequisites: ML 105, 106 or equivalent

Emphasis is placed upon translating Spanish prose and developing vocabulary. The readings give the student a comprehensive picture of the culture, geography, history and economy of the Spanish American countries.

ML 305 SURVEY OF SPANISH LITERATURE

3 (3-0) f s

Prerequisite: Junior or senior standing

Lecture illustrated by selected reading in translation covering the development of the novel, drama, short story and poetry of Spain from 1300 to the present. Parallel reading and reports by students.

ML 307, 308 TECHNICAL SPANISH

3 (3-0) f s

Prerequisite: ML 205 or equivalent

A study of technical and industrial literature. Particular attention given to the special terminology characteristic of such literature with a view to the acquisition of a practical vocabulary. Individual conferences and reports.

ML 405, 406 SCIENTIFIC SPANISH

3 (3-0) f s

Prerequisites: ML 307, 308 or equivalent

A study of scientific literature appearing in current bulletins, magazines, and technical journals. Students given the opportunity of working a translation project in connection with their subject of major interest. Special attention given to the comprehension of the thought of the article under consideration and to its accurate rendition into English. Parallel readings, reports, and conferences.

ENGLISH (FOREIGN STUDENTS)

ML 107 ELEMENTARY ENGLISH: PRONUNCIATION

3 (3-0) f s

Emphasis in this course is laid upon the pronunciation and comprehension of American English. Through oral reports students are encouraged to improve their diction and pronunciation. Comprehension is approached through dictation and lectures. Attention to grammar and spelling is given as individual problems arise.

ML 108 ELEMENTARY ENGLISH: READING

3 (3-0) f s

Emphasis in this course is laid upon the rapid comprehension of written English without the necessity of the student's first translating the material into his own language. Exercises are given in paraphrasing the material read. Continued practice in pronunciation, spelling and grammar. Special attention is paid to idiomatic expressions and Americanisms.

ML 109 ELEMENTARY ENGLISH: COMPOSITION

3 (3-0) f s

Emphasis in this course is laid upon the writing of English, special attention being given to compositions, grammatical exercises, sentence structure, spelling, and diction.

RUSSIAN

ML 110 ELEMENTARY RUSSIAN

3 (3-0) f s

Structure and technique of the language, supplemented by easy readings and translations. Individual reports and conferences.

ML 212 RUSSIAN PROSE: LITERATURE

3 (3-0) f s

Prerequisite: ML 110 or equivalent

Brief survey of Russian literature, a study of representative authors and their contribution to the development of the Russian language and literature.

ITALIAN

ML 112 ELEMENTARY ITALIAN

3 (3-0) f s

Structure, diction, pronunciation, and other matters of technique of the language, supplemented by easy readings, individual reports, and conferences. No previous training in the language required.

* Courses numbered above ML 106 need not be followed as a sequence in their respective gamut.

ML 113 ITALIAN GRAMMAR AND PROSE READING

3 (3-0) f s

Prerequisite: ML 112 or equivalent

A survey of basic elements of grammar accompanied and illustrated by intermediate readings, progressing to the reading of standard texts.

GENERAL COURSES

ML 321, 322 ROMANCE LITERATURE

2 (2-0) s

Prerequisite: Junior or senior standing

A course cutting across language barriers to illustrate the most outstanding literary productions of France, Spain, Italy and Portugal and showing the cultural and social pattern of these nationalities having a common language inheritance. Selected readings and reports.

ML 323, 324 GERMANIC LITERATURE

2 (2-0) s

Prerequisite: Junior or senior standing

A study of the literary productions in each of the various types of Germanic literature, and lectures on their cultural background. Designed primarily to meet the needs of students who wish to supplement their knowledge of their own literature with that of the literature of other civilizations. Attention is given to the literary monuments of Germany, Holland, Denmark, Iceland and the Scandinavian countries. No foreign language prerequisites.

— — OCCUPATIONAL INFORMATION AND GUIDANCE

ED 420 PRINCIPLES OF GUIDANCE

2 (2-0) f s

This is a course designed to provide basic principles of guidance for teachers, teacher-counselors administrators, and others in the school, as well as workers in other areas such as the community agency, business, industry, group work, and the like. Among the topics covered are: need for guidance; bases of guidance services; programs of guidance; studying the individual; counseling for educational, vocational, social, and personal problems; group procedures in guidance. Emphasis is on the practical application of guidance principles and procedures.

Instructor: Mr. Tolbert

ED 524 OCCUPATIONAL INFORMATION

2 or 3 (2 or 3-0) s

This course is designed to prepare teachers, counselors, business and industrial personnel workers, placement workers, and others to collect, evaluate, and use occupational and educational information. In addition to the study of the usual source and types of published occupational information, attention will be given to collection of occupational information locally, preparation of the occupational monograph, analysis of job requirements and worker characteristics, occupational trends and factors affecting trends, occupational and industrial structure and classification, and the like. Imparting occupational information to groups and individuals by techniques such as the following are considered: the occupations unit in social studies and other courses, the occupations course, home-room activities, introducing occupational information informally in subject matter courses, the resource file, vocational counseling.

Instructor: Mr. Tolbert

ED 530 GROUP GUIDANCE

2 or 3 (2 or 3-0) s

This course is designed to help teachers, counselors, administrators, and others who work with groups or who are responsible for group guidance activities, to understand the theory and principles of effective group work, to develop skill in using specific group guidance techniques, and to plan and organize group activities in the secondary school and other institutions. The relationship of group activities to counseling and other aspects of guidance services is considered. Methods of evaluating and improving group guidance activities are taken up.

Instructor: Mr. Tolbert

ED 531 INTRODUCTION TO VOCATIONAL REHABILITATION, PROGRAMS AND PROCESSES

3 (3-1) f

This course will serve as an introduction to the broad field of rehabilitation services and programs directed toward the restoration of physically and/or mentally disabled persons into employment. The course will emphasize the State-Federal, and private agency programs. It will be inter-disciplinary in its approach covering the areas of social work, medicine, psychology, sociology and economics. Specialists or appropriate persons in the above areas will be invited to participate. Field trips to agencies will be required.

Instructors: Messrs. Tolbert, Davis

ED 590 INDIVIDUAL PROBLEMS IN GUIDANCE

3 (3-0) f s

Intended for individual or group studies of one or more of the major problems in Guidance and Personnel work. Problems will be selected to meet the interests of individuals. The workshop procedure will be used whereby special projects and reports will be developed by individuals and by groups.

Instructors: Messrs. Anderson, Tolbert

PHILOSOPHY AND RELIGION

COURSES FOR GRADUATES ONLY

ED 631 EDUCATIONAL AND VOCATIONAL GUIDANCE

3 (3-0) f

This course aims to provide training for teachers who are part-time or full-time counselors, employment interviewers, social workers and personnel workers, who are aiding individuals with vocational adjustment problems. The course will cover the functions performed in vocational and educational guidance such as assembling and imparting occupational information, counseling regarding vocational and educational plans, the use of aptitude tests, placement in jobs and follow-up, and procedures in setting up services of vocational and educational guidance in schools, employment offices, and social service agencies.

Instructor: Mr. Anderson

ED 633 TECHNIQUES IN GUIDANCE AND PERSONNEL

3 (3-0) s

This course is designed to aid personnel workers in secondary schools, colleges, employment offices, and social agencies to develop an understanding of and skill in using various guidance and personnel techniques. Some of the techniques to be studied intensively are: anecdotal reports, rating scales, observation, records and reports, sociograms, interviewing, counseling and case study procedures. Students will become acquainted with these techniques through lectures, demonstrations, and the study of case histories. Attention will be given to both diagnosis and treatment.

Instructor: Mr. Anderson

ED 641 FIELD WORK IN OCCUPATIONAL INFORMATION

2 to 9 1-6 to 27) f s

A practical course in which the student undertakes field work in secondary schools, colleges, social service agencies, employment offices, and industrial establishments which carry on guidance and personnel work. The students may observe and participate in some personnel services and may study the organization and administration of the programs.

Instructors: Messrs. Anderson, Tolbert, Davis

ED 651 RESEARCH IN OCCUPATIONAL INFORMATION AND GUIDANCE

Maximum 6 credits f s

Qualified students will conduct investigations and research in Guidance and Personnel. Published reports and techniques in investigation will be analyzed and evaluated.

Instructors: Messrs. Anderson, Tolbert

PHILOSOPHY AND RELIGION

COURSES FOR UNDERGRADUATES

PHI 201 LOGIC

3 (3-0) f s

Language as symbol system, the formal structure of reasoning, and characteristics of empirical knowledge; emphasis on the establishment of more adequate reflective habits.

PHI 203 EFFECTIVE LIVING

2 (2-0) f s

The meaning of personal growth and maturity; the quest for intellectual and emotional equilibrium in the face of the challenge which modern conditions pose for traditional patterns of thought and behavior; formulation of personal philosophy of life.

PHI 205 PROBLEMS AND TYPES OF PHILOSOPHY

3 (3-0) f s

The great philosophers of the western world, the socio-cultural heritage in which they worked, their major concerns and conclusions; the relation of philosophy to vital questions of human life.

REL 301 RELIGIOUS GROUPS AND TRENDS IN THE UNITED STATES

2 (2-0) f s

Background and characteristic beliefs of the major religious groups in the United States; survey of the dominant trends and movements in contemporary American religion.

REL 302 THE BIBLE AND ITS BACKGROUND

3 (3-0) f s

Background of the Bible: origin, growth and development of central concepts, leading personalities, and the process by which it has come to us as viewed in the light of modern scholarship.

REL 303 CHRISTIAN ETHICS

2 (2-0) f s

An analysis of the major areas of modern life in the light of the ethical teachings of Christianity, with an examination of the religious faith upon which these teachings rest.

PHI 305 PHILOSOPHY OF RELIGION

3 (3-0) f s

Psychological and historical roots of religious belief; science and religion; the rational foundations for belief in theism; the concept of God in Western thought.

PHYSICAL EDUCATION

PHI 306 PHILOSOPHY OF ART

3 (3-0) f s

Theory of beauty and aesthetic experience, analysis of specific media of artistic expression, and the formulation of a philosophy of art which relates the beautiful and the useful.

PHI 309 MARRIAGE AND FAMILY LIVING

3 (3-0) f s

Secular and religious concepts of marriage; economic, physiological, and socio-psychological aspects of premarital and marital relationships; parenthood; analysis of principles in terms of which value judgments relative to marriage and family living may be met with maximum rationality; formulation of a philosophy of marriage.

PHI 311 PARENT-CHILD RELATIONSHIPS

2 (2-0) f s

Principles of inter-personal relationships; the enhancement of democratic values and the attainment of growth on the part of parent and child through the exercise of freedom, responsibility, and creative activity; consideration of conflicting theories of husband-wife, and parent-child relationships.

PHI 395 PHILOSOPHICAL ANALYSIS

3 (3-0) f s

Semantical, logical, and experimental methods of investigation; intensive application of critical inquiry to a few fundamental problems including the nature of knowledge and its validation, and value judgment; major objective to afford the student personal participation in and acquaintance with philosophical analysis as intellectual tool with wide applicability.

PHI 401 FOUNDATIONS OF SCIENCE

3 (3-0) f s

Nature and validity of knowledge, basic concepts of modern science, scientific method, and the implications of the philosophy of modern science for ethics, social philosophy, and the nature of reality.

REL 403 RELIGIONS OF THE WORLD

3 (3-0) f s

Background, general characteristics, and basic teachings of the major living religions of the world; consideration of contemporary secular movements that are in a sense religions.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

PHI 501 SOCIAL ETHICS

3 (3-0) f s

Prerequisite: Six term credits in Philosophy or related fields
Major ethical theories and the issue posed as basic in each; the problem of value in the light of modern knowledge; ethical principles as ground for cultural unity; the applicability of ethics to problems of policy determination.

REL 502 PROBLEMS OF RELIGION

3 (3-0) f s

Prerequisite: Six term credits in Religion or related fields
Religious beliefs and trends in an age of science; the place and basic functions of the church as it influences and is influenced by the modern world.

PHYSICAL EDUCATION

The college requires all freshmen and sophomores to take physical education unless they are veterans or are excused by the Health Service Physician for physical reasons. Normally, credit in four physical education courses is required for graduation. All physical education students must pass a swimming test.

Activities in the physical education program are divided into two program areas: Prescribed Sports and Controlled Elective Sports. Insofar as facilities and staff permit, every effort is made to direct students into activities which will meet their individual needs. The bases for determining individual needs are as follows:

A medical examination. In case a student has some unusual physical impairment, the college physician will either excuse him from physical education or recommend a special type of activity suitable to the particular need.

A swimming test. All freshmen and transfer students who fail to pass the swimming test are immediately assigned to beginning swimming. Students who pass the test are classified primarily on the basis of their scores in the athletic ability test.

An athletic ability test. Students who score below the 15th percentile are enrolled in Fundamental Sports for two semesters, or until their improvement indicates that they are ready for Basic Sports.

Students who score between the 15th and 75th percentiles are placed in Basic Sports for two semesters, or until their improvement indicates that they are ready for the Controlled Elective Sports Area.

Students who score above the 75th percentile are immediately directed to the Controlled Elective Sports Area.

Normally, all second year students participate in the Controlled Elective Sports Area. This part of the program is controlled to the extent that a student may not receive credit in more than two team sports.

PHYSICAL EDUCATION

A hygiene knowledge test. All freshmen must complete satisfactorily a half semester of hygiene or show adequate proficiency as measured by a Health Knowledge Test given during Orientation Week. Students who are exempted from Hygiene must substitute an activity.

A personal interview with the student.

COURSES

PE 101, 102 **1 (0-2) f s**

PE 201, 202 **1 (0-2) f s**

PE 301, 302, 303, 304 JUNIOR AND SENIOR ELECTIVES **1 (0-2) f s**

Note: Juniors and seniors may elect any activity from the Controlled Elective Sports Area in which they have not previously received credit. Transfer students and veterans who cannot swim will be urged to elect beginning swimming.

ACTIVITIES IN PRESCRIBED SPORTS AREA

COURSES

a. Beginning Swimming:

Offered in the fall semester. A course designed for meeting the college swimming requirement and for preparing the student for intermediate Swimming

b. Fundamental Sports:

Offered in the fall semester. A course designed for the low skilled student where a particular type of activity can be given to meet his special needs.

c. Fundamental Sports:

Offered in the spring semester. (Prerequisite: 101b)

A sequence course designed for the low skilled students who have not qualified for the other areas of the program.

d. Basic Sports:

Offered in the fall semester. A course designed to acquaint the medium skilled student with appropriate activities in both team and individual self-testing items.

e. Basic Sports:

Offered in the spring semester. (Prerequisite: 101d)

A sequence course designed for the medium skilled student who has not qualified for the Controlled Elective Sports Area of the program.

f. Hygiene:

Offered in the second half of the fall semester and in the first half of the spring semester. A course designed to acquaint the student with factual materials related to body care and healthful living.

ACTIVITIES IN CONTROLLED ELECTIVE SPORTS AREA

Team Sports

z. Basketball:

Offered in the second half of the fall semester and in the first half of the spring semester. A course designed to cover the fundamentals of shooting, offensive and defensive strategy, history and rules.

y. Football (Touch):

Offered in the first half of the fall semester. A course designed to cover the fundamentals of offensive and defensive play.

x. Soccer:

Offered in the first half of the fall semester. A course designed to acquaint the student with the fundamental skills and to provide out-of-door activity in a team sport.

w. Softball:

Offered in the second half of the spring semester. A course designed to include the fundamentals, history, and rules of the game.

v. Volleyball:

Offered in the first half of the fall semester and in the entire spring semester. A course designed to include the fundamentals, history, and rules of the game.

Individual Sports

u. Badminton:

Offered in the second half of the spring semester. A course designed to give the beginner a thorough knowledge of the basic strokes and a general knowledge of the history, rules, and strategy of the game.

t. Bowling (Duck Pins):

Offered in the second half of the fall semester and in the first half of the spring semester. Fundamentals of the stance, approach, and delivery are taught, together with rules, history, scoring and general theory of spare coverage. Students take turns setting pins. (Fee \$2.50.)

s. Bowling (Ten Pins):

Offered in the second half of the fall semester and in the first half of the spring semester. Fundamentals of ball selection, grip, stance, and delivery are taught, together with rules, history, scoring, and general theory of spare coverage. Students take turns setting pins. (Fee \$2.50.)

r. Boxing:

Offered in the second half of the fall semester. A course designed to acquaint the student with the fundamentals, history, and rules, with special emphasis on defensive techniques.

q. Golf:

Offered in the first half of the fall semester and in the second half of the spring semester. A course designed for the beginner; grip, stance, swing, and use of the various clubs, together with the history and etiquette of play.

p. Gymnastics:

Offered in the second half of the fall semester and in the first half of the spring semester. A course designed to include the fundamentals of simple gymnastic stunts on the parallel bars, slide horse, high bar, ropes, and mats, together with history and rules.

i. Handball:

Offered in both fall and spring semesters. A course designed to include the fundamentals, together with history and rules.

k. Swimming (Intermediate):

Offered in both fall and spring semesters. A course designed to give the student competence in four basic strokes and two dives, preparatory to the Life Saving Program.

j. Swimming (Senior Red Cross Life Saving):

Offered in the spring semester. Prerequisite: Intermediate Swimming or the equivalent. A course designed to qualify students for a Senior Red Cross Life Saving certificate and the possibility of a Water Safety Instructor's rating.

m. Tennis (Beginning):

Offered in the first half of the fall semester and in the second half of the spring semester. A course designed to give the beginner a thorough knowledge of the fundamental strokes and a general knowledge of the history, rules and basic strategy of the game.

n. Tennis (Advanced):

Offered in the first half of the fall semester and in the second half of the spring semester. Prerequisite: Beginning Tennis or its equivalent. Basic strokes are reviewed and the more difficult strokes taught. Emphasis is placed upon strategy during play and upon a more factual knowledge of the game and court etiquette.

i. Wrestling:

Offered in the first half of the fall semester and in the first half of the spring semester. A course designed to give the fundamentals, history and rules.

Varsity Sports

Note: Students may elect in this area with the approval of the coach. Varsity sports are identified with double letters.

aa. Baseball

bb. Basketball

cc. Cross Country Track

dd. Fencing

ee. Football

ff. Golf

gg. Soccer

hh. Swimming

ii. Track

jj. Wrestling

PHYSICS

PHYSICS

COURSES FOR UNDERGRADUATES

PY 201, 202 GENERAL PHYSICS

5 (3-4) f s; f s

Co-requisite: MA 201

Required of sophomores in Engineering. A study of General Physics in which an analytical approach to the Principles of Physics is used. Emphasis is placed on problem solution and engineering applications. Recitations, demonstrated lectures, problem drill, and laboratory work are coordinated to give a working knowledge of the basic principles of physics. Py 201, mechanics, sound, and heat; Py 202, electricity, light, and modern physics.

PY 211, 212 GENERAL PHYSICS

4 (3-3) f s; s

Prerequisite: MA 111

Recitations with demonstrations and laboratory work. Py 211, mechanics and heat; Py 212, sound, light, and electricity.

PY 223 ASTRONOMY AND ASTROPHYSICS

2 (2-0) s

Prerequisites: Py 211, MA 112

A general course in astronomy and astrophysics. Introduction to techniques and procedures in astronomical observations. Occasional laboratories; observations with telescope.

PY 311 LIGHT AND COLOR IN INDUSTRY

2 (2-0) f s

Prerequisite: PY 212

Survey of the fundamental principles of light and radiation; photometry, illumination and distribution of light; lighting calculations; fluorescent lighting; the physiological and psychological aspects of light and color; color theories, standardization of color; color contrast, and color harmony. Special emphasis placed on development of color harmony.

PY 322 DESCRIPTIVE METEOROLOGY

2 (2-0) f

Prerequisite: PY 212

Explanation of the weather and associated phenomena at an introductory level. Structure of the atmosphere; instrumentation; heat balance and primary circulation of the atmosphere; air masses, fronts, and waves; tertiary circulations; atmosphere of the lowest 10 meters.

PY 323 APPLIED METEOROLOGY

2 (2-0) s

Prerequisite: PY 322

Technique of application of meteorological data to problems in Engineering, Agriculture, Forestry, etc., where weather is a factor, using principle of expectations as the basis for analysis. Examples from several fields as illustrations of various analysis techniques.

PY 327 LABORATORY TECHNIQUES IN PHOTOGRAPHY

3 (2-3) f

Prerequisite: PY 212 or equivalent

A treatment of the general principles of photography with special applications in the fields of spectrography, micrography, Roentgenology, and nuclear physics.

PY 401, 402 INTERMEDIATE PHYSICS I

4 (3-3) f s

Co-requisite: MA 401

Mechanics (401), heat, and sound (402) on an intermediate level. Intermediate Physics I, together with Intermediate Physics II (403, 404), constitutes an integrated study of classical physics at the next level above general sophomore physics. Lectures, problems, and recitations, and one laboratory each week.

PY 403, 404 INTERMEDIATE PHYSICS II

4 (3-3) f s

Co-requisite: MA 401

Electricity and magnetism (403), and optics (404) on an intermediate level. Intermediate Physics II, together with Intermediate Physics I, constitutes an integrated study of classical physics at the next level above general sophomore physics. Lectures, problems, recitations, and one laboratory each week.

PY 407 INTRODUCTION TO MODERN PHYSICS

3 (3-0) f s

Prerequisites: PY 202, MA 202

A brief survey of the important developments in atomic and nuclear physics. Topics covered include: atomic and molecular structure, determination of the mass and charge of ions, origin of spectra, ion accelerators, nuclear reactions, and cosmic rays. Particular attention is paid to the practical applications of these developments.

PY 410 NUCLEAR PHYSICS I

4 (3-3) f s

Prerequisite: PY 407

An introductory treatment of the properties of nuclear particles and their interactions with matter. Consideration is given to natural and artificial radioactivity, nuclear reactions, fission, and the structure of simple nuclei. A three-hour laboratory is included.

PY 419 INTRODUCTION TO NUCLEAR ENGINEERING

2 (2-0) f

Prerequisite: PY 410

A survey of the engineering applications of nuclear energy. The principles and practices of isotope separation, production of plutonium, and nuclear reactor operation are studied along with the peace-time uses of products and by-products of nuclear reactors. Major engineering problems involved in each phase of the study are defined and the special methods of approach indicated

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

PY 510 NUCLEAR PHYSICS II

4 (3-3) s

Prerequisite: PY 410

A continuation of Physics 410 with particular emphasis on neutron physics, nuclear energy levels, meson theory, nuclear resonance, atomic and molecular magnetism, and cosmic radiation. A three-hour laboratory is included.

PY 518 RADIATION HAZARD AND PROTECTION

3 (3-0) f s

Prerequisite: Py 410

The hazards from external exposure to ionizing radiation are evaluated. The dosages resulting from the ingestion of radioactive materials are computed. The precautionary methods used in radioactive work are presented. Selected biological effects of ionizing radiation are studied.

PY 520 PHYSICAL TECHNOLOGY IN RADIOACTIVITY

3 (2-3) f s

Prerequisite: PY 410

Emphasis in this course is on laboratory practices in detecting, handling, and quantitatively measuring radioactive samples. The preparation of samples for radioactivity measurements and the calculation methods used in analyzing such data are summarized. At least three hours of laboratory practice per week.

PY 526 IONIZATION PHENOMENA AND ELECTRON OPTICS

2 (2-0) s

Prerequisites PY 404, 410

Methods of producing ions, and the interaction of ions with electric and magnetic fields are discussed, together with a brief survey of the present status of electron optics.

PY 530 ELEMENTARY NUCLEAR REACTOR THEORY

3 (3-0) s

Prerequisites: PY 410! MA 511 or 532

A lecture course in the principles of chain reactors. Slowing down of neutrons, neutron diffusion equations, space distribution of neutrons, conditions for criticality, reactor dimensions for simple geometries, elementary group theories, and time dependent reactor behavior.

PY 531 NUCLEAR REACTOR LABORATORY

1 (0-3) f s

Co-requisite: PY 530

Observations on and measurements on the behavior of the nuclear reactor, and correlation with reactor theory. Experiments with apparatus involving the motion and detection of neutrons. Foil measurements of neutron flux. Irradiations in the reactor of samples to produce radioisotopes.

PY 541, 542 ADVANCED EXPERIMENTS IN PHYSICS

1 (0-3) f s

Prerequisites: PY 202, MA 202

Covers the techniques and theory of selected experiments in mechanics, heat, sound, light, or electricity. The treatment and interpretation of data are stressed.

PY 544 VIBRATION AND WAVE MOTION

3 (3-0) f

Prerequisites: PY 202, MA 401

The dynamics of vibratory and oscillatory motion. Analogies in mechanical, electrical and acoustical vibrating systems. Analysis of wave motion and propagation in different media.

PY 545 APPLIED ACOUSTICS

3 (3-0) s

Prerequisite: PY 544

The dynamical theory of sound. Sources of sound, measurement of sound intensity, measurement of frequency, acoustical impedance and transmission of sound, sound filters and resonators, acoustics of speech and hearing, reception and reproduction of sound, acoustics of buildings.

PY 551 INTRODUCTION TO X-RAYS

3 (2-3) f

Prerequisites: PY 202, MA 202

Origin, production, absorption, single crystal diffraction, and powder diffraction are studied. These basic topics are then applied to detection of defects in welds and castings and to the determination of crystal structure and particle and fiber size. (Two 1-hour lectures and one 3-hour lab. per week.)

PHYSICS

PY 552 INTRODUCTION TO THE STRUCTURE OF SOLIDS: CRYSTALLOGRAPHY

3 (3-0) s

Prerequisites: PY 202, MA 202; PY 551 recommended

Elementary consideration of amorphous and crystalline solids, metal conductors, and semi-conductors. Some optical crystallography is included. (Three 1-hour lectures per week.)

COURSES FOR GRADUATES ONLY

PY 601, 602 ADVANCED GENERAL PHYSICS

3 (3-0) f s

Prerequisites: PY 402, MA 511

Mathematical and theoretical approach to relationships between the various branches of physics, with applications to mechanical, electrical, optical, thermal, and vibratory problems. Generalization of underlying physical principles.

PY 610 ADVANCED NUCLEAR PHYSICS

3 (3-0) f

Prerequisite: PY 410; PY 611, except by permission

Current hypotheses of nuclear structure and reactions, including fission, theories of alpha emission, deuteron binding, neutron-proton scattering, the compound nucleus, and beta-decay. The use of neutrons in present day nuclear research is emphasized.

PY 611, 612 QUANTUM MECHANICS

3 (3-0) f s

Prerequisites: PY 407, MA 532

Theory of quantum mechanics with applications to atomic and molecular structure, scattering phenomena, and the interaction of radiation with matter.

PY 619 HETEROGENEOUS REACTORS DESIGN

3 (3-0) f s

Prerequisite: PY 530

Engineering design of heterogeneous power reactors. Theory of resonance capture, thermal utilization, and flux distributions in multi-region systems. Transient and steady state poison effects. Heat transfer limitations in reactors. Evaluation of materials of construction, coolants and fuels.

PY 621 KINETIC THEORY OF GASES

3 (3-0) f

Prerequisites: PY 202, MA 511

The theory of molecular motion, including the velocity and density distribution functions, the phenomena of viscosity, heat conduction and diffusion; equations of state; fluctuations.

PY 622 STATISTICAL MECHANICS

3 (3-0) s

Prerequisites: PY 202, MA 511; PY 621, except by permission

A treatment of statistical mechanics from both the quantum and classical point of view. Development of theories from the thermodynamical standpoint and their practical application.

PY 630 HOMOGENEOUS REACTOR DESIGN

3 (3-0) f s

Prerequisite: PY 530

Calculations of critical loading of homogeneous power reactors, flux distribution, control rod values, theory of two and multigroup methods, and evaluation of group constants. Uses and limitations of age and diffusion theory. Transport theory of foil measurements. The time-dependent behavior of a reactor with negative temperature coefficient.

PY 621, 632 ATOMIC AND MOLECULAR SPECTRA

3 (3-0) f s

Prerequisite: PY 404

Co-requisites: Py 611, MA 532

Atomic models and coupling schemes. Multiplet series, Zeeman, Paschen-Back, and Stark effects. Hyperfine structure and complex spectra. Spectra of polyatomic molecules. Infrared and Roman Spectroscopy, with applications to various chemical problems.

PY 661, 662 THE SOLID STATE

3 (3-0) f s

Prerequisite: PY 552

The electron theory of conduction, electrical and thermal conduction in solids, and surface phenomena, with applications to physical behavior and usage of solids. (Offered in 1954-55 and alternate years)

PY 670 SEMINAR

1 (0-3) f s

Literature surveys, written and oral presentation of papers on special topics.

PY 690 RESEARCH

1-6 credits s

Graduate students sufficiently prepared may undertake research in some selected field of Physics.

— PLANT PATHOLOGY

COURSES FOR UNDERGRADUATES

PP 315 PLANT DISEASES

3 (2-3) f

Prerequisites: BO 101, 102

The nature and symptoms of disease in plants and the characteristics of important plant pathogenic nematodes, viruses, bacteria, and fungi are studied. An understanding of the important concepts and methods of disease control is developed, based on a knowledge of major types of plant diseases.

Mr. Kelman

PP 318 DISEASES OF FOREST TREES

3 (2-3) s

Prerequisites: BO 101, 102

The nature and symptoms of major types of tree diseases and the important characteristics of their causal agents are studied. Emphasis is placed on the influence of environmental factors on disease development as well as the basic principles and methods of control.

Mr. Kelman

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

PP 503 DIAGNOSIS OF PLANT DISEASES

3 (1-4) s

Prerequisites: One advanced course in Plant Pathology and permission of instructor

A study of techniques used in plant disease diagnosis with emphasis on diagnostic value of signs and symptoms for certain types of diseases. Consideration will be given to major sources of descriptive information on plant pathogens and the use of keys for the identification of fungi.

(Offered in 1956 and alternate years)

Mr. Hebert

PP 504 PLANT PARASITIC NEMATODES

2 (1-3) f

Prerequisites: PP 315

A study of morphology, anatomy, physiology and taxonomy of plant parasitic nematodes. Methods of isolating nematodes from soil and plant parts and other laboratory techniques used in the study and identification of nematodes will be considered.

Mr. Sasser

PP 515 DISEASES OF FIELD CROPS

3 (2-2) s

Prerequisites: PP 315

An advanced study of the more important diseases of North Carolina field crops such as cotton, corn, tobacco, soybeans, alfalfa, clover grasses and small grains with major emphasis on identification, cause and control.

Mr. Lucas

PP 516 DISEASES OF FRUIT CROPS

3 (2-2) s

Prerequisite: PP 315

Study of causes, symptoms, epiphytology, and principles of control of major diseases of pome, stone, nut, and berry crops.

(Offered in 1955-56) and alternate years)

Mr. Clayton

PP 517 DISEASES OF VEGETABLE CROPS

3 (2-2) s

Prerequisite: PP 315

Studies designed to provide the student with a working knowledge of the etiology, symptomatology, epiphytology, and control of major vegetable crop diseases.

(Offered in 1956-57 and alternate years)

Mr. Winstead

COURSES FOR GRADUATES ONLY

PP 601 PHYTOPATHOLOGY I

4 (1-6) f

Prerequisites: PP 315 and permission of the instructor

A study of the principles of phytopathological research. The course is designed to apply the classical scientific method to disease investigation. Exercises will include appraising disease problems, reviewing literature, laboratory and greenhouse experiments and the evaluation and presentation of data.

Mr. Nielsen

PP 602 PHYTOPATHOLOGY II

4 (2-6) s

Prerequisites: PP 315 and permission of the instructor

The basic concepts of the etiology, pathology, epiphytology and control of plant diseases.

(Offered in 1956-57 and alternate years)

Mr. Nusbaum

POULTRY

PP 611 NEMATODE DISEASES OF PLANTS

3 (1-4) s

Prerequisites: PP 504

A study of plant diseases caused by nematodes. Special consideration will be given to host-parasite relationships, host ranges, and life cycles of the more important economic species. Principles and methods of control will be considered.

Mr. Sasser

PP 615 RESEARCH IN PLANT PATHOLOGY

Credits by arrangement

Prerequisites: Graduate standing and consent of adviser

Original research in connection with a thesis problem in Plant Pathology.

Staff

PP 617 SPECIAL PROBLEMS IN PLANT PATHOLOGY

Credits by arrangement

Prerequisites: Graduate standing and consent of the instructor

Original research on special problems in Plant Pathology not related to a thesis problem but designed to provide experience and training in research.

Staff

PP 625 SEMINAR IN PLANT PATHOLOGY

1 (1-0) f s

Prerequisite: Consent of seminar chairman

Discussion of phytopathological topics selected and assigned by seminar chairman.

Staff

POLITICAL SCIENCE

SEE HISTORY AND POLITICAL SCIENCE

POULTRY

COURSES FOR UNDERGRADUATES

PO 201 CHICKEN AND TURKEY PRODUCTION

4 (3-3) f s

Prerequisites: Required of majors in Poultry Science

Elective for others

Principles of broiler, market egg, hatching egg, and turkey production. Classes, breeds and varieties identification of chickens and turkeys. Breeding, incubation, raising, housing, feeding, disease and parasite control, marketing of chickens, eggs and turkeys.

Messrs. Brown, Martin

PO 301 POULTRY JUDGING AND PROCESSING

4 (2-6) f

Prerequisite: Required of majors in Poultry Science

Elective for others with permission of instructor

Judging of poultry for egg production, breeding, market qualities; judging dressed market birds and eggs; processing, refrigeration, storage of poultry; candling, grading, processing and storage of eggs; preparation for marketing eggs and poultry.

Messrs. Brown, Bumgardner

PO 302 ADVANCED POULTRY JUDGING AND PROCESSING

3 (0-6) f

Prerequisites: PO 301

Elective for majors in Poultry Science and for others with permission of instructor

Course consists only of laboratory work with Poultry Judging and Processing class (PO 301) for further practice and proficiency in poultry and egg judging and processing.

Messrs. Brown, Bumgardner

PO 303 BIOLOGY OF THE FOWL

3 (1-6) s

Prerequisites: Required of majors in Poultry Science

Elective for others with permission of instructor

A foundation course for juniors and senior poultry courses. Macroscopic embryology of the chick. Dissection and study of the gross anatomy of the chicken and turkey. Physiology of the tissues and organs. Endocrine control of reproduction. Formation and structure of the egg.

Mr. Bumgardner

PO 401 POULTRY DISEASES

4 (3-3) s

Prerequisites: Required of majors in Poultry Science

Elective for others with permission of instructor

The major infectious, non-infectious and parasitic diseases of poultry are studied with respect to economic importance, etiology, susceptibility, dissemination, symptoms, lesions, and diagnostic methods. Emphasis is placed upon practices necessary for the prevention, control and treatment of each disease.

Mr. Barber

PO 402 COMMERCIAL POULTRY FARM AND HATCHERY MANAGEMENT 4 (3-2) s

Prerequisites: Required of majors in Poultry Science

Elective for others with permission of instructor

Principles of incubation of chicken and turkey eggs; hatchery management; organization and development of plans for the operation and maintenance of a commercial poultry farm for meat and egg production; study of the types of buildings, equipment, and methods of management currently employed by successful poultry men in North Carolina. Problem.

Mr. Brown

PO 403 POULTRY SEMINAR**1 (1-0) f s**

Prerequisite: Required of seniors in Poultry Science

Current topics and problems relating to poultry science and to the poultry industry are assigned for oral report and discussion. Two semesters.

Staff

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES**PO 520 POULTRY BREEDING****3 (2-3) f**

Prerequisites: GN 411

Required of majors in Poultry Science

Elective for others with permission of instructor

Application of genetic principles to poultry breeding, considering physical traits and physiological characteristics—feather patterns, egg production, hatchability, growth, body conformation, and utility.

Messrs. Glazener, Martin

PO 521 POULTRY NUTRITION**3 (2-3) f**

Prerequisites: Required of majors in Poultry Science

Elective for others with permission of instructor

A study of proteins, carbohydrates, fats, minerals and vitamins required for growth, egg production and reproduction in the chicken and turkey. Symptoms and lesions induced by nutritional deficiencies. Compounding different types of poultry mashes and methods of feeding these mashes. The production of certain vitamin and mineral deficiencies in chicks for observation and examination.

Mr. Kelly

PO 522 ENDOCRINOLOGY OF THE FOWL**3 (2-3) f**

Prerequisite: Permission of instructor

The endocrine system is studied with respect to its physiological importance in such intricate processes as metabolism, growth, and reproduction. Emphasis is placed upon this system for the fowl, but mammalian examples are also used to illustrate basic concepts of the science. The interests of the students will be considered in the selection of illustrative material.

Mr. Garren

COURSES FOR GRADUATES ONLY

Graduate courses may not be offered if registration for the course is too low or if the faculty or facilities become unavailable.

PO 601 ADVANCED POULTRY BREEDING**3 (3-0) arrange**

Prerequisites: Graduate standing; permission of instructor

Study of lethal, skeletal, and feather variations. Linkage and chromosome mapping of the fowl. Theory and contemporary ideas concerning breeding for meat and egg production in the fowl.

Mr. Glazener

PO 602 ADVANCED POULTRY NUTRITION**3 (0-6) arrange**

Prerequisites: Graduate standing, permission of instructor

Students taking this course will conduct a research problem in poultry nutrition. This problem will involve the designing and carrying out of microbiological and chick experiments. The students will obtain practice in correlating results obtained in microbiological and chick assays.

Mr. Hill

PO 603 ADVANCED POULTRY HEMATOLOGY**3 (0-6) arrange**

Prerequisites: Graduate standing; permission of instructor

Study of the hematopoietic system and blood formation in the chicken. The erythrocyte, the leucocyte, the thrombocyte, the bonemarrow cells and their respective systems. Technics of blood and marrow examination. Quantitative and qualitative variations in the cells and their constituents. Mechanisms producing such variations, causes and effects.

Mr. Cook

PSYCHOLOGY

PO 604 ADVANCED POULTRY DISEASES

3 (0-6) arrange

Prerequisites: ZO 452, 545

Graduate standing; permission of instructor

Fundamentals of general pathology. Special pathology of infectious and nutritional diseases of the fowl. Study and interpretations of changes in the macroscopic and microscopic structures of the diseased tissues and organs of the fowl occurring under field and experimental conditions. The role of hematology, immunology and endocrinology in the diagnosis and prevention of poultry diseases.

Staff

PO 611 POULTRY RESEARCH

1-6 (arrange) f s

Credits: A maximum of six is allowed toward a Master's degree.

Prerequisite: Graduate Standing

Appraisal of present research, critical study of some particular problem involving original investigation. Problems in poultry breeding, nutrition, disease, endocrinology, hematology or microbiology.

Staff

PO 612 RESEARCH SEMINAR

1 (1-0) f & s

Credits: A maximum of two credits is allowed toward a Master's degree.

Prerequisite: Graduate standing

Discussion of current topics and problems to research in Poultry Science.

Staff

PO 613 SPECIAL PROBLEMS IN POULTRY SCIENCE

1-6 (arrange) f s

Prerequisites: Graduate standing and permission of the instructor

Specific problems of study are assigned in various phases of poultry science.

Staff

PSYCHOLOGY

COURSES FOR UNDERGRADUATES

PSY 200 INTRODUCTION TO PSYCHOLOGY

3 (3-0) f s

A study of the general characteristics and development of human behavior, emphasizing the problems of motivation, emotion, learning, and thinking.

Staff

PSY 201 ELEMENTARY EXPERIMENTAL PSYCHOLOGY

3 (2-3) f

Prerequisite: PSY 200

Introduction to experimental psychology. Two lectures and one laboratory period per week.

Mr. Barkley

PSY 302 PSYCHOLOGY OF PERSONALITY AND ADJUSTMENT

3 (3-0) f

Prerequisite: PSY 200

A study of the factors involved in the development of the normal personality, emphasizing the principal factors controlling human behavior and their relationship to adjustment mechanisms.

Messrs. Caffey, Corter

PSY 304 EDUCATIONAL PSYCHOLOGY

3 (3-0) f

PSY 200 recommended as an introductory course.

Applications of psychology to education; problems of learning, motivation, interests; the measurement of educational efficiency; mental hygiene.

Messrs. Johnson, Barkley

PSY 307 GENERAL APPLIED PSYCHOLOGY

2 (2-0) s

Prerequisite: PSY 200

A study of the application of principles of psychology in medicine, law, advertising, selling, vocational guidance, the arts, and athletics.

Messrs. Barkley, Caffey

PSY 337 INDUSTRIAL PSYCHOLOGY I

3 (3-0) f s

Prerequisite: PSY 200

The application of psychological principles to the problems of modern industry; methods of work, monotony, fatigue, accidents, illumination and morale of workers.

Messrs. Milton, Solem

COURSES FOR ADVANCED UNDERGRADUATES

PSY 438 INDUSTRIAL PSYCHOLOGY II

3 (3-0) s

Prerequisite: PSY 200

The application of psychological principles to the problems of modern industry; selection, placement, and training of workers.

Mr. Solem

PSYCHOLOGY

PSY 441 HUMAN FACTORS IN EQUIPMENT DESIGN

3 (3-0) s

Prerequisite: PSY 200

Human factors in the design of machines and other equipment. Sensing, computing, and controlling as human functions which have been extended to machines. Human characteristics which affect equipment design. A "systems analysis" approach to man-machine problems, in which man and machine are considered as elements in a larger unit, performance of which is considered as a whole.

Mr. Kelley

PSY 464 VISUAL PERCEPTION FOR DESIGNERS

3 (3-0) f

Prerequisite: PSY 200

The nature of the seeing process and its relation to architecture, industrial arts, and to the industrial, engineering, and textile design fields. Topics include the physical basis of sight, perception of color and form, vision and illumination, psychological factors in visual design, and a unit of training planned to improve the student's ability to perceive visual form.

Mr. Kelley

PSY 475 CHILD PSYCHOLOGY

3 (3-0)

Prerequisite: PSY 200 or 304

Course offered during Summer session only

The development of the individual child of the elementary school age will be the inclusive subject of study in this course. Emphasis will be placed upon the intellectual, social, emotional, and personality development of the child. Physical growth will be emphasized as necessary to an understanding of the psychological development of the pupil.

Mr. Barkley

PSY 476 PSYCHOLOGY OF ADOLESCENCE

2 (2-0) s

Prerequisite: PSY 200 or 304

Mental growth, social development, and interests of adolescent boys and girls.

Messrs. Johnson, Barkley

PSY 490 SOCIAL PSYCHOLOGY

3 (3-0) s

Prerequisite: PSY 200

Social applications of psychology: social stimulation, response, and attitudes.

Mr. Barkley

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

PSY 501 INTERMEDIATE APPLIED EXPERIMENTAL PSYCHOLOGY

3 (2-3) f or s

Prerequisite: PSY 200 and three additional hours in Psychology

Experimental study of problems in the major areas of general and theoretical psychology which have special significance in educational, industrial, and applied social psychology. Emphasis will be placed upon description of problems, study of methods, design of experiments, and procedures for the analysis and presentation of data. Two lectures and one laboratory period per week.

Mr. Barkley

PSY 504 ADVANCED EDUCATIONAL PSYCHOLOGY

3 (3-0) s

Prerequisite: Four hours in Psychology

Course offered in alternate years

An advanced course giving a critical appraisal and a consideration of the practical applications for vocational education of modern psychological findings.

Messrs. Johnson, Barkley

PSY 511 ADVANCED SOCIAL PSYCHOLOGY

3 (3-0) s

Prerequisites: PSY 200 and three additional hours in Psychology

Course offered in alternate years

A study of social relationships and their psychological bases; emphasis on those aspects of behavior determined by personal interactions; work will involve analysis of representative research studies, and doing individual projects in industrial and rural areas.

Mr. Barkley

PSY 530 ABNORMAL PSYCHOLOGY

3 (3-0) s

Prerequisites: PSY 200, 302

A study of the causes, symptomatic behavior, and treatment of the major personality disturbances, with emphasis placed on preventive mental hygiene methods.

Mr. Corter

PSY 535 TESTS AND MEASUREMENTS

3 (3-0) f

Prerequisite: Three hours in Psychology

A study of available tests, with emphasis on proper selection and use of testing instruments; also a study of statistical procedures needed in the proper use of tests, including measures of central tendency, variability and correlation.

Mr. Johnson

PSYCHOLOGY

PSY 550 MENTAL HYGIENE IN TEACHING

3 (3-0) f

Prerequisite: Four hours in Psychology

A survey of mental hygiene principles applicable to teachers and pupils; practical problems in prevention and treatment of psychological problems in schools; case studies and research.

Mr. Corter

PSY 560 TEST CONSTRUCTION

3 (3-0) f

Prerequisites: PSY 200 and three additional hours in Psychology

Course offered in alternate years

Analyzes the steps necessary for the development of tests, including job analysis, test development of different types of items, item analysis, establishment of norms and determination of reliability. Emphasis placed on construction of mechanical tests with application to industry. Students will be given opportunity for construction of tests.

PSY 561 TEST CONSTRUCTION

Prerequisite: PSY 560

Course offered in alternate years

Emphasis placed on criterion analysis; rating scale methods, validation procedures. Attention will be directed to the validation of tests constructed in Psychology 560.

PSY 565 INDUSTRIAL MANAGEMENT PSYCHOLOGY

3 (3-0) f or s

Prerequisites: PSY 200 and three additional hours in Psychology

This course is designed for management personnel in industry and graduate students in psychology who wish to familiarize themselves with industrial problems. Emphasis will be placed on principles and methods for obtaining better utilization of employee resources of ideas, attitudes and motivations.

Mr. Solem

PSY 570 INTELLIGENCE: THEORY AND MEASUREMENT I

3 (3-0) f

Prerequisites: PSY 200 and three additional hours in Psychology

An introduction to individual intelligence testing, theoretical background of intelligence testing, clinical introduction to intelligence testing, case studies and research.

PSY 571 INTELLIGENCE: THEORY AND MEASUREMENT II

3 (3-0) s

Prerequisite: PSY 570

A practicum in individual adult intelligence testing with emphasis on the Wechsler-Bellevue, other performance tests of intelligence, report writing, and case studies.

Mr. Corter

PSY 572 INTELLIGENCE: THEORY AND MEASUREMENT III

3 (3-0)

Prerequisite: PSY 570

Course offered during Summer session only

A practicum in individual intelligence testing of infants, children and adults with emphasis on the Stanford-Binet, other tests, report writing, case studies, and consultation with teachers.

Mr. Corter

PSY 576 ADVANCED ADOLESCENT PSYCHOLOGY

3 (3-0) s

Prerequisite: PSY 476

An advanced course in psychology of adolescence in which the student considers the original works of leaders in this field, thus laying the foundation for a critical appreciation of the new studies that are constantly appearing.

Mr. Johnson

PSY 578 INDIVIDUAL DIFFERENCES

3 (3-0) f

Prerequisite: Four hours in Psychology

Nature, extent, and practical implications of individual differences and individual variation.

Mr. Barkley

COURSES FOR GRADUATES ONLY

PSY 604 APPLIED EXPERIMENTAL PSYCHOLOGY

3 (2-3) f or s

Prerequisite: Eight hours in Psychology

Experimental analysis of problems of sensation, perception, learning, thinking, emotions, fatigue, and neuro-muscular reactions. Emphasis upon methods of experimental control, design of experimental apparatus, and accuracy of reports as these are related to laboratory investigations in the fields of applied psychology.

Mr. Barkley

PSY 607 ADVANCED INDUSTRIAL PSYCHOLOGY I

3 (3-0) f

Prerequisite: Eight hours in Psychology

Discussion, analysis and evaluation of psychological problems in industry; training, selection and placement of the worker. Emphasis on current research and study of psychological programs operating in different industries.

Messrs. McGehee, Solem

RURAL SOCIOLOGY

PSY 608 ADVANCED INDUSTRIAL PSYCHOLOGY II

3 (3-0) s

Prerequisite: Eight hours in Psychology

Discussion, analysis and evaluation of psychological problems in industry; morale, attitudes, fatigue, accidents, and maladjusted workers. Emphasis on current research and study of psychological programs operating in different industries.

Messrs. McGehee, Solem

PSY 609 PSYCHOLOGICAL CLINIC PRACTICUM

Maximum 3 hours f s

Prerequisite: Eight hours in Psychology

Clinical participation in interviewing, counseling, psychotherapy and administration of psychological tests. Practicum to be concerned with college students, adults and children.

Mr. Corter

PSY 610 APPLIED IMPLICATIONS OF THEORIES OF LEARNING

3 (3-0) s

Prerequisite: Eight hours in Psychology

Course offered in alternate years

A study of theories of learning with emphasis upon applications of the principles of learning in industrial and school situations.

Messrs. Barkley, Johnson

PSY 612 SEMINAR IN INDUSTRIAL PSYCHOLOGY

3 (3-0) s

Prerequisite: Eight hours in Psychology

Scientific articles, analysis of experimental designs in industrial psychology, and study of special problems of interest to graduate students in Industrial Psychology.

Staff

PSY 613 RESEARCH IN PSYCHOLOGY

Credits by arrangement

Prerequisite: Eight hours in Psychology

Individual or group research problems; a maximum of six credits is allowed toward the Master's degree.

Staff

RURAL SOCIOLOGY

COURSES FOR UNDERGRADUATES*

RS 204 NORTH CAROLINA RURAL LIFE

2 (2-0) f s

Introduction to the specific patterns of rural living in North Carolina; structure and function of the groups in which North Carolina rural people participate; major social institutions and their related problems; and, organized efforts to improve community life in the state.

Staff

RS 301 SOCIOLOGY OF RURAL LIFE

3 (3-0) f s

Prerequisite: Completion of the freshman year

A systematic sociological analysis of the characteristics, institutions and problems of rural life. Part I is a brief description of the basic concepts, the theoretical framework and the method of analysis of institutions and problems. Part II consists of systematic analyses of the major social institutions and their respective problems. Part III portrays the role of the community as an area of institutional functioning and societal integration.

Staff

RS 321 INTRODUCTION TO SOCIAL RESEARCH

2 (2-0) f s

Prerequisite: RS 301

Designed to give the student a basic understanding of the methods of sociological research. Reviews the scientific method and its application to the design of social research including the collection, analysis, and interpretation of social data. Appropriate ways of presenting the findings and of making the greatest use of the data are presented. Critical and objective thinking are stressed throughout the course.

Messrs. Lowery and Mayo

RS 322 INTRODUCTION TO RURAL SOCIAL WORK

3 (3-0) s

Prerequisite: RS 301 or permission of the instructor

Constructed to acquaint the preprofessional student with the subject matter of social work as well as its related professional fields. Attention is given to three major areas: (1) case work in various settings; (2) group work, and (3) community organization. Public and private agencies which employ persons trained in social work are studied.

Mr. Mayo

RS 441 RURAL SOCIAL PATHOLOGY

3 (3-0) f

Prerequisite: RS 301 or permission of the instructor

A study of major social problems in modern society: physical and mental health, family instability, crime and penology, and minority group problems. A framework for analysis and understanding is presented and stressed throughout including a positive approach for prevention.

Mr. Mayo

RURAL SOCIOLOGY

RS 442 RURAL SOCIAL STRUCTURE

3 (3-0) s

Prerequisite: RS 301 or permission of the instructor

Social structure is viewed in its two major dimensions: (1) vertically through the concepts of social stratification; and (2) horizontally as a set of basic social institutions interacting by means of a system of concrete social organizations. Particular attention is given to the place of the rural segment in the total social system. The bases of social cohesion which permit diversity within a functioning whole are examined.

Mr. Green

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES*

RS 511 RURAL POPULATION PROBLEMS

3 (3-0) f

Prerequisite: RS 301 or permission of the instructor

A study of population growth, rates of change, and distribution. Considerable attention is given to the functional roles of population, i. e., age, sex, race, residence, occupation, marital status, and education. The dynamic aspects of population are stressed: fertility, mortality, and migration. Population policy is analyzed in relation to national and international goals. A world view is stressed throughout.

Mr. Mayo

RS 512 RURAL FAMILY LIVING

3 (3-0) s

Prerequisite: RS 301 or permission of the instructor

Values, patterns, and levels of rural family living. Differentials and factors related thereto in the world, the nation, and North Carolina. Analysis of selected problems, programs, policies, and methods of study.

Mr. Hamilton

RS 513 COMMUNITY ORGANIZATION

3 (3-0) s

Prerequisite: RS 301 or permission of the instructor

Community organization is viewed as a process of bringing about desirable changes in community life. Community needs and resources available to meet these needs are studied. Democratic processes in community action and principles of community organization are stressed along with techniques and procedures. The roles of leaders, both lay and professional, in community development are analyzed.

Mr. Mayo

RS 523 LAND TENURE SYSTEMS

3 (3-0) f

Prerequisite: Permission of the instructor

A systematic sociological analysis of the major agricultural land tenure systems of the world with major emphasis on the problems of family farm ownership and tenancy in the United States.

Mr. Hamilton

RS 534 (Same as HI 534) FARMERS' MOVEMENTS

3 (3-0) s

Prerequisite: Permission of the instructor

A history of agricultural organizations and movements in the United States and Canada principally since 1865, emphasizing the Grange, the Farmers' Alliance, the Populist revolt, the Farmers' Union, the Farm Bureau, the Equity societies, the Non-partisan League, cooperative marketing, government programs, and present problems.

Mr. Noblin

RS 541 SOCIAL AGENCIES AND PROGRAMS

3 (3-0) f

Prerequisite: Permission of the instructor

Study of social agencies and programs and their implementation through specific organizations in dynamic relation with the people whom they serve. Consideration is given to the relation of these agencies and programs to community structure and forces in rural society; coordination of the several types of agencies and programs; professional leadership in the local community; and, problems of stimulating local leadership and participation.

Mr. Mayo

COURSES FOR GRADUATES ONLY*

RS 611 RESEARCH METHODS IN SOCIOLOGY

3 (3-0) f

Prerequisite: Permission of the instructor

Designed to give the student a mature insight into the nature of scientific research in sociology. Assesses the nature and purpose of research designs, the interrelationship of theory and research, the use of selected techniques and their relation to research designs, and the use of modern tabulation equipment in research.

Mr. Mayo

*Additional courses, suitable for rural sociology majors and graduate students, are listed below in the offerings of the Department of Sociology and Anthropology. Other sociology courses especially suitable for advanced students and graduates are offered by the Department of Sociology and Anthropology of the University at Chapel Hill.

RURAL SOCIOLOGY

RS 621 RURAL SOCIAL PSYCHOLOGY

3 (3-0) f

Prerequisite: Permission of the instructor

Treats the genetic development of the rural personality and the interrelationship of the individual and the rural society. Studies the social psychological factors related to rural leadership, morale, social organization, and social change, and examines the attitudes and opinions of rural people on current local and national issues.

Mr. Lowry

RS 631 POPULATION ANALYSIS

3 (3-0) s

Prerequisite: Permission of the instructor

Methods of describing, analyzing, and presenting data on human populations: distribution, characteristics, natural increase, migration, and trends in relation to resources.

Mr. Hamilton

RS 632 RURAL FAMILY

3 (3-0) f

Prerequisite: Permission of the instructor

Emphasis is placed on the development of an adequate sociological frame of reference for family analysis; on discovering both the uniquely-cultural and common-human aspects of the family by means of cross-cultural comparisons; on historical explanations for variability in American families with especial concern for the rural family; and, on analyzing patterns of family stability and effectiveness.

Mr. Green

RS 633 THE RURAL COMMUNITY

3 (3-0) s

Prerequisite: Permission of the instructor

The rural community is viewed in sociological perspective as a functioning entity. A method of analysis is presented and applied to eight "dimensions," with emphasis on the unique types of understanding to be derived from measuring each dimension. Finally, the effect of change on community integration and development is analyzed.

Mr. Mayo

RS 641 STATISTICS IN SOCIOLOGY

3 (3-0) f

Prerequisite: ST 513

The application of statistical methods in sociological research. Emphasis on selecting appropriate models, instruments, and techniques for the more frequently encountered problems and forms of data.

Mr. Hamilton

RS 642 RESEARCH IN RURAL SOCIOLOGY

Credits by arrangement

Prerequisite: Permission of chairman of graduate study committee. (Maximum of six credits)

Planning and execution of research, and preparation of manuscript under supervision of graduate committee.

Staff

RS 652 COMPARATIVE RURAL SOCIETIES

3 (3-0) f

Prerequisites: Permission of the instructor

Sociological analysis of rural societies around the world with particular reference to North and South America. Special emphasis is given to cultural and physical setting, population comparison, levels of living, relationship of the people to the land, structure and function of the major institutions, and forces making for change.

Mr. Mayo

RS 653 THEORY AND DEVELOPMENT OF RURAL SOCIOLOGY

3 (3-0) s

Prerequisite: Permission of the instructor

Required of all masters and doctoral candidates in Rural Sociology and is recommended for all graduate minors. Designed to meet two objectives: (1) to introduce the student to the study of current sociological theory, and (2) to survey events and trends in the historical development of rural sociology.

Mr. Green

RS 671 SEMINAR

Credits by arrangement

Appraisal of current literature; presentation of research papers by students; progress reports on departmental research; review of developing research methods and plans; reports from scientific meetings and conferences; other professional matters. (A maximum of three credits is allowed toward the master's degree, and six credits toward the doctorate.)

Staff

SOCIOLOGY

SOCIAL STUDIES — — — — —

SS 301, 302 CONTEMPORARY CIVILIZATION

3 (3-0) f s

Prerequisites: For engineering students ENG 205, HI 205, EC 205; for others, permission of the Department

An examination of the major concepts, methods and values that characterize modern thought in the fields of physical science, the humanities and the social sciences. The course utilizes the student's previous training, plus materials from the history and philosophy of science and the history of technology to demonstrate the essential interrelatedness of scientific, social, and aesthetic activity.

SS 491, 492 CONTEMPORARY ISSUES

3 (3-0) f s

Prerequisites: For engineering students, SS 301, 302; for others, permission of the Department

This course deals with concrete current problems as they arise from day to day in the world of public affairs. These problems are studied and discussed in the context of a search for a more realistic definition of the limits of freedom and authority. Text materials are books, magazines and newspapers.

SOCIOLOGY AND ANTHROPOLOGY — — — — —

COURSES FOR UNDERGRADUATES

SOC 101, 102 PEOPLES OF THE WORLD

2 (2-0) f s

This course seeks to develop insights of wide applicability concerning human relationships and the adjustment of man to his geographical, social, and cultural environments. The course is designed to demonstrate interrelationships among diverse factors affecting human behavior in all societies. The first semester deals largely with cultures of the Western world; the second semester, with cultures of the East. Each semester is independent.

SOC 111, 112 THE AMERICAN WAY OF LIFE

2 (2-0) f s

Designed to introduce foreign students to the culture of the United States. Students are helped to develop an understanding of the basic values and traditions of American society and an insight into the problems that confront it in the world today. Each semester is independent.

SOC 202 MAN AND SOCIETY (GENERAL SOCIOLOGY)

3 (3-0) f s

Introduction to the scientific study of man's behavior in relation to other men, the general laws affecting the organization of such relationships, and the effects of social life on human personality and behavior.

SOC 251, 252 GENERAL ANTHROPOLOGY

2 (2-0) f s

In the first semester, a study of the biological development of man as a species; analysis of the formation and spread of races; introduction to archaeology as a study of the material remains of ancient man and his activities. In the second semester, an analysis of various living societies and their cultures in terms of social adjustment to recurrent needs. Each semester is independent.

SOC 301 HUMAN BEHAVIOR

3 (3-0) f s

A study of the effects of social interaction upon individual behavior and personality; collective attitudes and behavior as products of group experience; analysis of fashions and fads, crowds, mobs, public, social movements.

SOC 302 PUBLIC RELATIONS AND MODERN SOCIETY

3 (3-0) f s

A study of the social and community setting of public relations, followed by a more intense analysis of the development and composition of social groups and the processes involved in group organization. General characteristics and techniques of leadership in the field of public relations are analyzed and tested in the classroom. The student will study the significance and function of mass communication media and the expansion of the social functions of technical specialists and executives. The course concludes with a consideration of the role of public relations in regional and international affairs.

SOC 303 CURRENT SOCIAL PROBLEMS

3 (3-0) f s

Study of the social and cultural aspects of specific problems such as crime, divorce, race conflict, illness, poverty, housing, recreation, and personality adjustment to demonstrate the basic integration of society and community life.

SOC 304 CONTEMPORARY FAMILY LIFE

3 (3-0) f s

Basic interactions involved in courtship, marriage, and family life; analysis of the influence of family life upon economic, social, political, and religious activities; cultural and technological changes affecting the family; analysis of family structure and functions.

SOC 305 RACE RELATIONS

3 (3-0) f s

Analysis of race relationships both in the United States and throughout the world with particular emphasis on factors producing the changes taking place at the present time.

SOC 306 DELINQUENCY AND CRIME

3 (3-0) f s

Causes and conditions leading to delinquency; delinquency as a forerunner of crime; characteristics of the offender; methods of prevention and treatment of crime.

SOC 401 HUMAN RELATIONS IN INDUSTRIAL SOCIETY

3 (3-0) f s

Selected societies about the world contrasted with American society to demonstrate correlation between technology and general behavior patterns, both within industry and in the total social order; analysis of patterns of adjustment by the individual to the organizational framework in terms of social status, social roles, work norms, and attitudes; social significance of major characteristics of contemporary industry; interrelationship between industry and social change; contribution of industry to social progress.

SOC 402 CITY LIFE

3 (3-0) f s

A study of the factors behind the organic growth of cities; the relationship between the physical design of cities and their social organization; detailed analysis of new developments in the serving of human needs; comparison of socio-psychological aspects of life in an urban society with those of predominantly agricultural societies; increasing integration of urban and rural living; study of demand for city and regional planning and use of administrative personnel with both technical and social backgrounds created by changing character of urban life.

SOC 411 COMMUNITY RELATIONSHIPS

3 (3-0) f s

A survey of the institutions, organizations, and agencies found in modern communities; social problems and conditions with which they deal; their interrelationship and the trend toward over-all planning.

SOC 412 INTRODUCTION TO SOCIAL WORK

3 (3-0) f s

A course designed to acquaint students with the various types of public and private social work and with remedial and preventive programs in applied sociology, social psychiatry, health, public welfare, and recreation.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

SOC 501 LEADERSHIP

3 (3-0) f s

A study of leadership in various fields of American life; analysis of the various factors associated with leadership, with particular attention given to recreational, scientific, and executive leadership problems.

SOC 502 SOCIETY, CULTURE, AND PERSONALITY

3 (3-0) f s

Human personality from its origins in primary groups through its development in secondary contacts and its ultimate integration with social norms. Emphasis is placed upon the normal personality and the adjustment of the individual to our society and our culture. Dynamics of personality and character structure are analyzed in terms of the general culture patterns and social institutions of society.

SOC 504 EDUCATION IN MODERN SOCIETY

3 (3-0) f s

Social factors conditioning learning and formal education; the social role of the teacher in the classroom and in the community; the function of the school in social change and progress.

SOC 505 THE SOCIOLOGY OF REHABILITATION

3 (3-0) f s

The course stresses the social and cultural implications of the rehabilitation approach. Emphasis is placed upon the social and personal problems of physically and mentally handicapped persons. The interrelationships of the major social environments are considered at length in this regard. Objectives of the rehabilitation processes are analyzed in terms of the sociology of work. A major portion of the course is devoted to rehabilitation as a profession, particular attention being given to the diverse roles of specialists in this field.

SOC 510 INDUSTRIAL SOCIOLOGY

3 (3-0) f s

Industrial relations analyzed as group behavior with a complex and dynamic network of rights, obligations, and rules; the social system as an interdependent part of total community life; background and functioning of industrialization studied as social and cultural phenomena; analysis of specific problems of industry.

SOC 515, 516 RESEARCH IN APPLIED SOCIOLOGY

3 (arrange) f s

Individual research problems in applied fields of sociology, such as problems of the family, population, and social work; rural-urban relations; student success; American leadership.

SOILS

COURSES FOR UNDERGRADUATES

SOI 200 SOILS

4 (3-3) f s

Prerequisite: CH 103 or 203. MIG 120 is recommended but not required. The fundamental properties of soils and their relation to proper soil management. Geological information important to an understanding of soils and agriculture is presented for a better understanding of the interrelationship which exists between soils and management.

Mr. Folks

SOI 302 SOILS AND PLANT GROWTH

3 (3-0) s

Prerequisites: BO 102, PY 211, SOI 200

An examination of the fundamental chemical, physical, and microbiological characteristics of soils as related to crop production. The chemical and mineralogical composition of soils; ion exchange, soil reaction, and the solubilities of plant nutrients; transformations between organic and inorganic forms of plant nutrients; water and air relations in soils; lecture-demonstrations will be used to illustrate fundamental soil properties and to acquaint students with methods used in the study of soils.

Mr. Coleman

SOI 341 SOIL FERTILITY AND FERTILIZERS

3 (3-0) f

Prerequisites: SOI 200, BO 102

History of Plant Nutrition and Soil Fertility. Plant nutrition and growth as related to crop fertilization. Fertilizer materials, their manufacture, properties and usage. Fertilizer practices as related to a sound soil management program.

Mr. Folks

SOI 352 SOIL CLASSIFICATION

3 (2-3) s

Prerequisite: SOI 200

The origin, characteristics, classification, and use-suitability of soils of North Carolina and the Southeastern United States; field trips.

Mr. Lee

SOI 461 SOIL CONSERVATION AND MANAGEMENT

3 (3-0) f

Prerequisite: SOI 200

The history and status of erosion and fertility conditions; the economic and social aspects of soil conservation; the effects of climatic factors, vegetation (forests, sod crops, cover crops and rotations), soil properties, and other management practices on soil conservation and fertility maintenance.

Mr. Lutz

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

SOI 511 SOIL PHYSICS

4 (3-3) f

Prerequisites: SOI 200, PY 202

Physical constitution and analyses; soil structure, soil water, soil air, and soil temperature in relation to plant growth.

Mr. Lutz

SOI 521 SOIL CHEMISTRY

4 (4-0) f

Prerequisites: SOI 200, CH 212, and CH 532

Chemical composition and properties of soil, particularly concerning clay mineralogy, chemical processes of weathering, soil solution reaction, chemical properties of lays and ionic exchanges in soils.

Mr. McAuliffe

SOI 522 METHODS OF SOIL CHEMISTRY

4 (2-6) s

Prerequisites: SOI 341, CH 212

Procedures for the separation and identification of soil constituents. Methods and techniques for the study of the chemistry of soils. Particular emphasis is placed on the demonstration of fundamental soil chemical properties and on the use of soil analyses in assessing soil fertility.

Mr. Coleman

SOI 532 SOIL MICROBIOLOGY

4 (3-3)s

Prerequisites: SOI 200, BO 412, 421

The more important microbiological processes that occur in soils; decomposition of organic materials, ammonification, nitrification and nitrogen fixation.

Staff

STATISTICS

SOI 570 SPECIAL PROBLEMS

Credits by arrangement

Prerequisites: SOI 200, CH 212. Students admitted only with consent of instructors
Special problems in various phases of Soils. Problems may be selected or will be assigned. Emphasis will be placed on review of recent and current research.

Staff

COURSES FOR GRADUATES ONLY*

SOI 611 ADVANCED SOIL PHYSICS***

4 (3-3-) s

Prerequisites: SOI 511, MA 401, PY 202

An introduction into the usage of theoretical method in soil physics. Lectures, literature, and discussions centered around problems in the movement of soil water, soil gases and heat flow through soils.

Mr. Van Bavel

SOI 621 SPECIAL TOPICS IN SOIL CHEMISTRY

Credits by arrangement

Prerequisites: SOI 521, 522. Registration by permission of instructor

Detailed examination of current concepts in a selected field of soil chemistry, such as clay mineralogy, cation exchange or soil organic matter. Offered for small groups of graduate students particularly interested in a specific field of soil chemistry, and to be taught by the members of the staff who are most conversant with that particular field.

Staff

SOI 642 ADVANCED SOIL FERTILITY**

3 (3-0) s

Prerequisites: SOI 511, 521, 522

Soil conditions affecting crop growth; the chemistry of soil and plant interrelationships; theoretical and applied aspects of fertilizer usage in relation to plant nutrition.

Mr. Fitts

SOI 651 SOIL MORPHOLOGY, GENESIS, AND CLASSIFICATION

4 (3-3) s

Prerequisites: SOI 200, CH 212, MIG 120

Morphology: Descriptive aspects of soil profiles including field work, nomenclature, and sampling of representative Great Soil Groups typical of North Carolina. Genesis: A critical evaluation of the factors of soil formation and the processes responsible for profile differentiation in Great Soil Groups of the World. Classification: The historical development of soil classification through present day concepts, with a critical evaluation of each with respect to the natural system of classification.

Mr. McCaleb

SOI 680 SEMINAR

1 (1-0) f s

Prerequisite: Graduate standing in Soils

Scientific articles, progress reports in research, and special problems of interest to agronomists reviewed and discussed.

A maximum of two credits is allowed toward the Master's degree, but any number toward the Doctorate.

Staff

SOI 690 RESEARCH

Credits by arrangement

Prerequisite: Graduate standing in Soils

A maximum of six credits is allowed toward the Master's degree but any number toward the Doctorate.

Staff

STATISTICS

SEE EXPERIMENTAL STATISTICS

* Students are expected to consult the instructor before registration.

** Offered in 1956-57 and in alternate years.

*** Offered in 1955-56 and in alternate years.

TEXTILES

SCHOOL OF TEXTILES — — — — —

COURSES FOR UNDERGRADUATES

TX 101 YARN PRINCIPLES

2 (1-2) f s

Required of freshmen in all Textile curricula

This course is an introduction to textile manufacturing. It covers briefly the processes common to yarn manufacturing, and in a broader sense the types of mechanisms common to all textile machines, calculations involving speeds, productions, and twists that are associated with these mechanisms, and the theory and application of the cotton numbering system. The lecture and recitation work are supplemented by laboratory application, which covers in detail the work of the classroom.

One 1-hour lecture and one 2-hour laboratory period per week.

Staff

TX 201 YARN MANUFACTURE II

4 (3-2) f s

Prerequisite: TX 101

Required of sophomores in Textiles

Combined lecture and laboratory instruction on the functions involved in processing textile fibers on the cotton system from the raw product to the spun yarn. Particular emphasis is given to a study of the functions of opening, cleaning, doubling, evening, and drafting.

Three 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Parker, Smith

TX 301 YARN MANUFACTURE III

4 (3-2) f s

Prerequisite: TX 201

Required of juniors in Textiles

A continuation of Yarn Manufacture II on the functions of twisting and packaging of cotton rovings and yarns, with laboratory work supplementing lecture instruction. Also included is a study of textile machines as producing units—such machines as combers, roving frames, twistors, and the like.

Three 1-hour lectures and one 2-hour laboratory period per week.

Mr. Smith

TX 321 TEXTILE TESTING I

3 (1-4) f

Required of juniors in Textile Chemistry

Physical testing and evaluation of yarns and fabrics with emphasis on techniques, instruments and methods for quality measurements of finished products; also collection and interpretation of data and reporting of results.

One 1-hour lecture and two 2-hour laboratory periods per week.

Mr. Hamby

TX 323 TEXTILE TESTING II

3 (1-4) f s

Required of juniors in Textiles

Quality control methods for textile processing, with emphasis on the measurement by laboratory instruments and techniques, and including a study of the mechanical and natural influences involved.

One 1-hour lecture and two 2-hour laboratory periods per week.

Messrs. Grover, Hamby, Stuckey

TX 401 YARN MANUFACTURE IV

4 (3-2) f s

Prerequisite: TX 301

Required of seniors in Yarn Manufacturing and General Textiles Options.

Elective for others

Refinements on yarn production, such as detailed study of carding; production levels; comber types, settings, and quality aspects; modern drafting assemblies. Review of all yarn mill calculations. Production of novelty yarn, and special yarns such as voile, crepe. Manufacturing of thread yarn. Special techniques and problems; types of winders; large package production, types of travelers and rings; operation schedules. Lab project in small groups. (Piece rates.)

Three 1-hour lectures and one 2-hour laboratory period per week.

Mr. Parker

TX 402 MILL TECHNOLOGY

3 (3-0) s

Prerequisite: TX 301

Required of seniors in Yarn Manufacturing and Synthetics Options

Elective for others

Mill Layout: layout of textile mill of cotton or synthetics type. Types of machines, numbers, and balance of equipment. Floor layout plans and process flow, speeds, productions, help layout, power and investment.

Three 1-hour lectures per week.

Messrs. Grover, Parker

TEXTILES

TX 411 WOOL MANUFACTURE I

3 (2-2) f s

Prerequisite: TX 301

Required of seniors in Yarn Manufacturing and General Textiles Options
Elective for others

Raw materials used in wool and worsted trades; classification, structure, and characteristics of fibers, grading, sorting and mixing. Reclaimed wool and secondary raw materials. Lectures are supplemented by laboratory applications.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Pardue

2 (0-4) s

TX 424 DEVELOPMENT PROJECT

Prerequisite: TX 323

Required of seniors in Quality Control Option

Studies are conducted independently on assigned problems, and seminars are held on applications and administration of testing, quality control and development. Studies and discussion of budgeting and evaluation of priority and progress. Current technical developments are discussed. Results of project to be written in form of a technical report from a control and development laboratory.

One 4-hour laboratory period per week.

Staff

TX 431 SYNTHETICS I

2 (2-0) f s

Prerequisite: TX 281

Required of seniors in General Textiles, Weaving and Designing, and Yarn Manufacturing Options

A general course including: textile processing of continuous filament synthetic yarns in the yarn producing plants; preparation of yarns for weaving and knitting including crepe, voile and hosiery yarns; the application of synthetic yarns for use as industrial yarns and fabrics; also, calculations involving the denier system and production calculations.

Two 1-hour lectures per week.

Messrs. Grover, Hamby

TX 433 SYNTHETICS II

4 (3-2) f

Prerequisite: TX 281

Required of seniors in Synthetics Option

An advanced study of the physical problems and the relations of physical properties to the processing characteristics and end product performances of the synthetic fibers. A study of the influence of twist on physical properties of filament yarns; comprehensive studies of the processing of sized and unsized filament yarns as encountered in the throwing industry and in preparation for knitting and weaving. A study of the industrial uses of synthetic fibers and the requirements of such uses.

Three 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Grover, Hamby

TX 435 SYNTHETIC FIBER PROCESSING

4 (3-2) f s

Prerequisite: TX 301

Required of seniors in Yarn Manufacturing and Synthetic Options

Elective for others

Studies of the contributions of individual fibers to the entire blend covering both the man-made as well as natural fibers. Processing of man-made fibers into spun yarn and fabric, particularly on the cotton system. The processing of man-made fibers by new methods, such as by direct spinning and the Pacific Converter. Studies of the modification of machines for processing synthetic fibers alone or in blend with other fibers.

Three 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Grover, Hamby, Parker

KNITTING TECHNOLOGY

TX 241 KNITTING I

3 (2-2) f s

Required of sophomores in Textiles

Selection and preparation of knitting yarns, knitting mechanisms, structure of selected types of spring and latch needle fabrics; operation and adjustment of the basic types of knitting machines.

Two 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Lewis, Middleton

TX 341 HOSIERY MANUFACTURE

2 (2-0) f s

Prerequisite: TX 241

Required of juniors in Textiles

A study of advanced types of circular knitting machines and the problems involved in the manufacture of fine hosiery. Hosiery design and analysis.

Two 1-hour lectures per week.

Mr. Middleton

TEXTILES

TX 343 KNITTED FABRIC DESIGN AND ANALYSIS

2 (0-4) f

Prerequisite: TX 341

Required of seniors in Knitting Technology Option

Elective for others

Stitch formation for the more intricate knitted fabrics; control mechanisms for pattern work; designing methods; analysis of fabrics for reproduction and costing; color in knit goods.

Two 2-hour laboratory periods per week.

Mr. Lewis

TX 441 FLAT KNITTING

3 (2-2) f

Prerequisite: TX 341

Required of seniors in Knitting Technology Option

Elective for others

A study of the leading types of flat knitting machines including warp knitting machines, design possibilities, and fabric adaptability.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Shinn

TX 443 KNITTING MECHANICS

3 (2-2) f

Prerequisite: TX 341

Required of seniors in Knitting Technology Option

Elective for others

Mathematics and mechanics of flat and rib knitting. Interrelation of yarn number, yarn diameter, gauge, cut, stitch, length, fabric structure and weight; proportions of yarns in multiple-thread work; production problems, etc.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Shinn

TX 444 GARMENT MANUFACTURE

3 (2-2) s

Prerequisite: TX 341

Required of seniors in Knitting Technology Option

Elective for others

A study of circular latch needle and spring needle machines for knit fabric production styling, cutting and seaming of the basic garment types for underwear and outerwear; standard seam types; high-speed sewing machines.

Two 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Shinn, Lewis

TX 445 FULL-FASHIONED HOSIERY MANUFACTURE

2 (2-0) s

TX 447, f 448 s KNITTING LABORATORY II

2 (0-4)

Prerequisite: TX 341

Required of seniors in Knitting Technology Option

Elective for others

Mechanics of the full-fashioned hosiery machine including practical training in its adjustment and operation. Attention is given to yarn preparation, knitting, inspection, finishing and packaging hosiery.

One 4-hour laboratory period per week each semester. Two 1-hour lectures per week in spring semester.

Mr. Shinn

TX 449 TRICOT KNITTING

3 (2-2) s

Prerequisite: TX 341

Required of seniors in Knitting Technology Option

Elective for others

A study of basic types of tricot knitting machines with emphasis on mechanisms and fabrics. Attention is given to warp preparation methods applicable to the tricot machine, the characteristics of yarns made from natural and synthetic fibers as they affect processing into warp knitted fabrics, machine settings for proper qualities and ratios; economics of warp knitting, and end uses. Attention is given to fabric design and analysis.

Three 1-hour lectures per week.

Mr. Shinn

FABRIC DEVELOPMENT

TX 151 FABRIC PRINCIPLES

2 (1-2) f s

Required of freshmen in all Textile curricula

An introduction to the study of fabric development and construction. The methods of preparing yarn for weaving, the weaving of fabrics, and the calculations required to produce a fabric are included. Lectures are supplemented by laboratory exercises in operation of the machinery.

One 1-hour lecture and one 2-hour laboratory period per week.

Mr. Whittier and Staff

TEXTILES

TX 251 WEAVING II

3 (1-4) f s

Prerequisite: TX 151

Required of sophomores in Textiles

A study of cam loom mechanisms; cams and their construction; timings, settings and operation of plain cam and drop-box looms.

One 1-hour lecture and two 2-hour laboratory periods per week.

Messrs. Moser, Berry, Klibbe

TX 261 FABRIC STRUCTURE

3 (2-2) f s

Prerequisite: TX 151

Required of sophomores in Textiles

A study of the fundamental principles of fabric structure. Special emphasis is placed on the weave formation, drawing in draft, and cam design of basic fabrics, such as plain woven grey goods, twills, sateens and their common derivatives.

Two 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Moser, Gaither, Berry

TX 271 UPHOLSTERY FABRICS

2 (2-0) f

Required of sophomores in Furniture Manufacturing

A study of the basic principles of fabric structure and identification. A complete description of fabrics particularly suited to the furniture trade, including nomenclature, economic importance, physical properties and price structure.

Messrs. Whittier, Gaither

TX 351 WEAVING III

3 (2-2) f s

Prerequisite: TX 251

Required of juniors in Textiles

Methods of drawing-in and starting up dobby warps; setting of harness shafts; selection of springs or spring jacks. Construction and setting of drop-box motions, single and double index dobbies and automatic mechanisms; methods of fixing looms.

Preparation of warps for weaving fabrics on dobby looms; starting up warps in looms; pattern chain building; operation of dobby looms.

Two 1-hour lectures and one 2-hour laboratory period per week.

Messrs. Porter, Moser, Gaither, Berry

TX 361 DOBBY DESIGN AND ANALYSIS I

3 (1-4) f s

Prerequisite: TX 261

Required of juniors in Textiles

A study of basic dobby weaves and their drawing in drafts, chain and reed plans. This course includes the development of such weaves as ribs, spot designs, fancy twills, honeycombs, piques, warp and filling back weaves and their application to styled fabrics. Instruction in fabric analysis techniques and use of laboratory instruments for determination of fabric construction details. The development of fabric specifications and design is stressed.

One 1-hour lecture and two 2-hour laboratory periods per week.

Messrs. Moser, Gaither, Porter

TX 373 FABRIC TECHNOLOGY

2 (2-0) f s

Prerequisite: TX 351

Required of seniors in Weaving and Designing Textile Options

Elective for others

Calculations for construction and factors which affect it; average yarn count; cloth constant, percentages of warp, filling and sizing; ascertaining the counts of warp and filling required for a given weight and construction; checking the correctness of any given yarn combination; obtaining spun counts from sized yarns; calculating yarn to be spun for a specific order; allocation of looms; loom speeds and production.

Two 1-hour lectures per week.

....

Staff

TX 451 WEAVING LABORATORY IV

1 (0-2) f s

Prerequisite: TX 351

Required of seniors in General Textiles and Weaving and Designing Options

Elective for others

Operation and fixing of dobby, pick and pick and jacquard looms; preparation of warps to weave rayon, wool and fine cotton fabrics; building of box, dobby and multiplier chains.

One 2-hour laboratory period per week.

Messrs. Moser, Berry

TX 452 WEAVING LABORATORY V

2 (0-4) s

Prerequisite: TX 451

Required of seniors in Weaving and Designing Option

Elective for others

Continuation of TX 451 with special emphasis upon making original designs for dobby fabrics, preparing the warps and weaving the fabrics.

Two 2-hour laboratory periods per week.

Messrs. Moser, Berry

TEXTILES

TX 461 DOBBY DESIGN AND ANALYSIS II

3 (2-2) f

Prerequisites: TX 361

Required of seniors in General Textiles and Weaving and Designing Options

Elective for others

A detailed study of the design and weave of complicated fabrics such as double cloth, corduroy, velveteen, crepe and intricate figured designs, matelasse, velvet and frieze. Analyzing samples of cotton, wool, worsted, linen rayon and silk fabrics for size of yarns ends and picks per inch, weight of warp and filling, so as to accurately reproduce sample analyzed; obtaining design, drawing in draft, chain, and reed plan for fancy fabrics, such as stripes, checks, extra warp and extra filling figures, leno fabrics, jacquard fabrics, draperies.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Berry

TX 471 COLOR IN WOVEN DESIGN

2 (2-0) f s

Prerequisite: TX 361

Elective

Pigment and light theories of color; contrast and harmony of colors; factors which influence quality, style and color; methods of applying weaves and color to fabrics for wearing apparel and home decorations.

Two 1-hour lectures per week.

Staff

TX 473 FABRIC CHARACTERISTICS

2 (1-2) f s

Prerequisite: TX 361

Elective

A study of the identification, classification and utilization of woven fabrics and how these are affected by various properties such as geometry, weave, and finish. Actual inspection of a wide range of fabrics with emphasis on a study of defects and their influence on quality will be included in the laboratory work.

One 1-hour lecture and one 2-hour laboratory periods per week.

Mr. Whittier

TX 474 PILE FABRICS

3 (2-2) s

Prerequisite: TX 451

Elective

A study of single shuttle and double shuttle pile fabric such as terry cloth, corduroy, plush and carpet fabrics. This will include the fabric structure, yarn preparation, weaving and finishing aspects of pile fabrics woven on cam, dobby and jacquard looms.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Berry

TX 476 SYNTHETICS III

3 (2-2) s

Prerequisites: TX 351, 361

Required of seniors in Synthetics Option

Advanced study of the development and construction of fabrics made with synthetic yarns. The course includes lectures on the special problems encountered in the design, warp and filling preparation and weaving of fabrics made with filament yarns. The methods used by industry to overcome these difficulties are demonstrated in the laboratory sessions.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Moser

TEXTILE CHEMISTRY — — — — —

TC 201 TEXTILE CHEMISTRY I

2 (2-0) f s

Prerequisite: CH 103

Required of sophomores in Textiles

A comprehensive course designed to familiarize the student with the chemical properties of all natural and synthetic fibers, and with their expected behavior under the various conditions to which they may be exposed. A brief survey of those parts of organic chemistry applicable to textile materials is included.

Two 1-hour lectures per week.

Mr. Rutherford

TC 301, 302 TEXTILE CHEMISTRY II

3 (2-2) f s

Prerequisite: TC 201

Required of seniors in Textiles

A comprehensive course covering: a brief outline of the methods of scouring, bleaching, dyeing, printing, and finishing textile materials; a study of the machinery involved in the wet handling of textiles.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Hayes

TEXTILES

TC 303, 304 TEXTILE CHEMISTRY III

Prerequisite: Concurrent enrollment in CH 421, 422

4 (2-4) f s

Required of juniors in Textile Chemistry

A study of the action of chemicals on fibers; methods and chemistry of scouring, bleaching, and mercerization; preparation of typical dyestuffs and their application to fibers. Two 1-hour lectures and one 4-hour laboratory period per week.

Mr. Hayes

TC 403, 404 TEXTILE CHEMISTRY IV

Prerequisite: TC 304

4 (2-4) f s

Required of seniors in Textile Chemistry

A continuation of TC 303 and 304 with special emphasis on modern dyeing methods. Laboratory exercises and use of pilot and mill-scale equipment of many types in dyeing all important fibers and fiber mixtures. Selected topics of importance to the textile chemist with special attention to current technological advances in the field. Visits to mills selected to cover a wide variety of processing techniques.

Two 1-hour lecture and one 4-hour laboratory per week.

Mr. Campbell

TC 411 TEXTILE CHEMICAL ANALYSIS I

Prerequisite: CH 211

3 (1-4) arrange

Elective for students in Textile Chemistry

Analysis and evaluation of textile chemicals and related materials such as water, soap, wetting agents, synthetic detergents, bleaching and stripping agents, and finishing compounds. Identification and quantitative determination of materials employed in several categories of textile wet processing such as sizes, surface-active agents, dyestuffs and finishes.

Two 2-hour laboratories per week.

Messrs. Rutherford, Campbell

TC 412 TEXTILE CHEMICAL ANALYSIS II

Prerequisites: CH 211 and TC 304

3 (1-4) s

Elective for students in Textile Chemistry

Analysis of textile materials involving specialized instruments and techniques such as spectrophotometry, pH measurements, electrometric titration, viscometry, etc.

Two 2-hour laboratories per week.

One 1-hour lecture and two 2-hour laboratory periods per week.

Messrs. Rutherford, Campbell

TC 421 FABRIC FINISHING I

Prerequisite: TC 201

2 (2-0) f s

Required of seniors in Synthetics Option. Elective for others, except students in Textile Chemistry

A general course in fabric finishing designed for students not majoring in Textile Chemistry. Emphasis placed on finishes used on garment-type fabrics, including stabilization finishes, water repellency, crease resistance, moth and mildew proofing, fire-proofing, etc. Emphasis on chemistry of finishes varied to fit requirements of students.

Two 1-hour lectures per week.

Mr. Hayes

TC 423 FABRIC FINISHING II

Prerequisite: TC 304

3 (1-4) f

Required of seniors in Textile Chemistry

A study of the compounds used in the finishing of fabrics, and of the methods used in laboratory development and plant application of finishing compounds. Studies of the methods of evaluation of finishes are included in the laboratory work.

One 1-hour lecture and one 4-hour laboratory period per week.

Mr. Rutherford

TC 425 TEXTILE MICROSCOPY

Prerequisite: TX 281

1 (0-2) f s

Required of all Textile and Textile Chemistry students

Experiments, lectures, and demonstrations in application of microscopy to textiles. Experiments include fiber study by both longitudinal and cross-sectional section, cotton maturity, starch studies, micrometry of fibers, and others. Fundamentals of polarizing, phase contrasts, and electron microscopes are covered. Demonstrations of euscope, projection microscope, photomicrographic cameras, and other devices.

One 2-hour laboratory period per week.

Mr. Stuckey

TEXTILES

TC 431 TEXTILE PRINTING

3 (1-4) s

Prerequisite: TC 304

Required of students in Textile Chemistry

Fundamentals of textile printing with major emphasis on modern roller printing methods; design of printing machines, preparation of cloth for printing, formulation and properties of printing pastes, application techniques for all important types of dyestuffs, styles of printing, and aging and aftertreating procedures.

One 1-hour lecture and one 4-hour laboratory period per week.

Mr. Campbell

GENERAL TEXTILE COURSES

TX 281 FIBER QUALITY

3 (3-0) f s

Required of juniors in Textiles

History, development, production, ginning and handling of cotton. World crops; marketing methods; classification; relation of grade and staple to the value of cotton. Measurement of the physical properties of cotton fibers and their relation to spinning quality; relation of grade and staple to waste, spinning behavior, and yarn quality. Selection of cotton for different types of yarns and fabrics.

An introduction to synthetic fiber knowledge, including the history, development, and classification of all synthetic fibers. A study of the manufacturing processes of synthetic yarns. A description of the chemical and physical properties of the fibers and yarns and how these affect the selection of synthetic yarns and fabrics by consumers.

Three 1-hour lectures per week.

TX 284 TEXTILE PROCESSING

4 (3-2) s

Prerequisites: TX 101, 151

Required of sophomores in Textile Chemistry

A general textile manufacturing course covering the production of yarns and fabrics. The fundamentals of yarn manufacture, including opening, picking, cleaning, carding and spinning are covered. Special emphasis is put on creeling, beaming and slashing of warps for weaving, and the preparation of warps for knitting. Fundamental principles of textile design, weaving and knitting are covered.

Three 1-hour lectures and one 2-hour laboratory period per week.

Mr. Woodbury

TX 483 TEXTILE COST METHODS

2 (2-0) f s

Prerequisites: TX 301, 361

Required of seniors in Textiles except those in Management Option

A survey of cost methods applicable to textile mills with emphasis on calculations, the preparation of cost reports, and their use in cost control.

Two 1-hour lectures per week.

TX 484 MILL ORGANIZATION

3 (3-0) s

Prerequisites: TX 301, 361

Required of seniors in Textiles

Studies of organizations of textile mills from personnel as well as functional viewpoints and of the planning and scheduling of manufacturing contracts through opening and weaving mills. Analysis of manufacturing organizations based on processes and equipment.

Three 1-hour lectures per week.

Mr. Grover

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

FIBER AND YARN TECHNOLOGY

TX 501 YARN TECHNOLOGY SEMINAR

2 (2-0) s

Prerequisite: TX 401

Elective

Lecture and discussion periods are designed for students who are particularly interested in the yarn manufacturing aspects of the textile industry. Subject matter will include such various aspects as training methods, safety programs, modern mill design, specialized techniques in setting rates, employee relations, and developments that arise from technical meetings.

Two 1-hour lectures per week.

Mr. Grover and Staff

TEXTILES

TX 521 TESTING AND QUALITY CONTROL

Prerequisite: TX 323

4 (2-4) f

Required of students in Quality Control Option. Elective for others
Testing of natural and man-made fibers and of yarns and fabrics, with emphasis on advanced testing techniques. Consideration of quality control programs, including "defect preventive" methods, pin-pointing of troubles, and the relationship between the quality control department and operating divisions. Technical report writing, literature research, and study of military specifications and U. S. Government standards as CCC-T-191b. Attendance at technical meetings such as the Fiber Society, American Society for Testing Materials, American Society for Quality Control is encouraged.
Two 1-hour lectures and one 4-hour laboratory period per week.

Messrs. Grover, Hamby

TX 522 TEXTILE TESTING III

Prerequisite: TX 521, or graduate standing, with approval of instructor

4 (2-4) s

Required of students in Quality Control Option. Elective for others
Mechanics of textile fabrics, with emphasis on the application of engineering criteria to laboratory evaluation of natural and man-made fibrous materials, stress-strain relationships, modifications due to impact, torsional properties, thermoplastic material degradation, permeability to gases and liquids, theory of induced wear with influence of abrasion. Influence on fabric properties resulting from blending of fibers, and modification of properties by varying fiber distribution. Specialized techniques of controlling attributes and variables of fabric quality.
Two 1-hour lectures and one 4-hour laboratory period per week.

Messrs. Grover, Hamby

TX 551 WEAVING VI

Prerequisite: TX 451

2 (2-0) s

Elective
Consideration of machine-design factors and operational problems and factors peculiar to the manufacture of selected complex fabrics. Unique economic problems of fabric production.
Two 1-hour lectures per week.

Mr. Whittier and Staff

TX 561 DOBBY DESIGN AND ANALYSIS III

Prerequisite: TX 461

2 (2-0) s

Required of seniors in Weaving and Designing Option. Elective for others
The development of design specifications for selected complex fabrics and a study of the geometrical and aesthetic factors influencing their suitability for specific end uses.
Two 1-hour lectures per week.

Mr. Whittier and Staff

TX 562 JACQUARD DESIGN AND WEAVING

Prerequisite: TX 361

3 (2-2) s

Required of seniors in Weaving and Designing Option. Elective for others
The application of punched card techniques to the design and manufacture of certain fabrics having intricate decorative patterns and special surface characteristics.
Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Berry

TEXTILE CHEMISTRY

TC 501 SEMINAR IN TEXTILE CHEMISTRY

Prerequisite: TC 403

2 (arranged) s

Elective for Textile Chemistry students
The course is designed to familiarize the student with the principal sources of textile chemical literature and to emphasize the importance of keeping abreast of developments in the field of textile chemistry. Particular attention is paid to the fundamentals of technical writing. Reports.
Lectures arranged.

Mr. Campbell, Staff

TC 511, f 512 s CHEMISTRY OF FIBERS

Prerequisite: CH 422

2 (2-0)

Required of seniors in Textile Chemistry
A lecture course emphasizing: the theory of fiber structure; the relationship between the chemical structure and physical properties of natural and synthetic fibers; the nature of the chemical reactions which produce degradation of fibers; the production of synthetic fibers.

Two 1-hour lectures per week.

Mr. Rutherford

TEXTILES

TC 521 TEXTILE CHEMICAL ANALYSIS III

2 (arranged) f s

Prerequisite: TC 421, or permission of instructor

Elective for all Textile students except those majoring in Textile Chemistry

The work includes the chemical identification of fibers, the qualitative and quantitative analysis of fiber blends by chemical means, and the evaluation techniques for dyed and finished materials.

Messrs. Rutherford, Campbell

TC 525 ADVANCED TEXTILE MICROSCOPY

2 (arranged) f s

Prerequisite: TC 425

Elective

Experiments, lectures and demonstrations in more advanced techniques of textile microscopy. Detailed studies of structures of fibers covered in lecture series, supplemented by experiments on lecture topics. Detailed study of all types of microscopes and their uses in textiles. Preparation of slides for photography. Uses of photomicrographic equipment.

Lectures and laboratories arranged

Mr. Rutherford, Staff

TC 605 PHYSICAL CHEMISTRY OF DYEING

3 (3-0) f

Prerequisites: CH 422, PY 212, MA 212 or graduate standing

Dyeing is treated as a physio-chemical process emphasizing equilibria, kinetics, and practical aspects of research into dyeing processes.

Mr. Cates

TC 606 CHEMISTRY OF FIBER-FORMING HIGH POLYMERIC SYSTEMS

3 (3-0) s

Prerequisites: CH 422, PY 212, MA 212 or graduate study

The course will embody studies of the mechanism and kinetics of polymerization, the properties and behavior of high polymer solutions, the mechanical behavior of natural and synthetic fibrous material as related to the molecular structures.

Mr. Cates

GENERAL TEXTILE COURSE

TX 581 INSTRUMENTATION AND CONTROL

3 (2-2) f s

Required of all seniors in Textiles and Textile Chemistry

A lecture series with coordinated laboratory exercises designed to familiarize the student with the theory and application of instruments and control apparatus that he will find in the modern textile plant.

The studies cover the measurement and control of temperature, humidity, regain, chemical processes, physical finishing processes, time and temperature cycles, yarn and cloth tension, speed, and fluid pressure.

Two 1-hour lectures and one 2-hour laboratory period per week.

Mr. Asbill

COURSES FOR GRADUATES ONLY

TX 601, 602 YARN MANUFACTURE

3 f s

Prerequisite: TX 401 or equivalent

A study of breaking strength and related properties of cotton yarns made under various atmospheric conditions; comparison of yarns produced from long and short-staple cotton with regular and special carding processes; efficiency of various roller covering materials at the drawing processes; elimination of roving processes by special methods of preparation; comparison of regular and long-draft spinning.

Messrs. Grover, Hamby

TX 621 TEXTILE TESTING IV

2 f s

Prerequisite: TX 522 or equivalent

Design of textile laboratories, including conditioning equipment and instruments required for specific needs; performance of tests and analysis of data on industrial problems; specialized physical tests; inter-laboratory tests and analysis; study of A.S.T.M. specifications and work on task groups for the A.S.T.M. Society.

Messrs. Grover, Hamby

TX 631 SYNTHETICS IV

2 s

Prerequisite: TX 433 or equivalent

Setting up of an assigned project on problems peculiar to the processing of continuous filament yarns, particularly in the initial preparatory stages of processing, and including sizing, twisting, winding, and associated problems.

Messrs. Grover, Hamby

ZOOLOGY

TX 641, 642 ADVANCED KNITTING SYSTEMS AND MECHANISMS

3 f s

Prerequisite: TX 441 or equivalent

A critical study of inventions which have contributed to the development of the modern knitting industry; knitting needles and their adaptation for specific uses; means for mounting them for individual and en masse operation; construction and functioning of cooperating elements including sliders, jacks, sinkers, dividers, pressing elements, narrowing and tensioning and draw-off motions, regulating mechanisms, timing and control chains and cams.

Use will be made of patent literature such as U. S. Patents 2,413,601 and 2,431,160, Bitzer, which represent important developments in the full-fashioned hosiery industry. Three 1-hour lectures per week.

Mr. Shinn

TX 643, 644 KNITTING RESEARCH

3 f s

Prerequisites: Graduate standing and 8 credits in Knitting

Problems of specific interest to the knitting industry will be assigned for study and investigation. The use of experimental methods will be emphasized. Attention will be given to the preparation of reports for publication.

Staff

TX 651, 652 FABRIC DEVELOPMENT AND CONSTRUCTION

3 f s

Prerequisite: B.S. degree in Textiles (Weaving and Designing Option) or equivalent

Application of advanced technology to the development and construction of woven fabrics.

Mr. Whittier

TX 681, 682 TEXTILE RESEARCH

3 f s

Problems of specific interest to the textile industry will be assigned for study and investigation. The use of experimental methods will be emphasized. Attention will be given to the preparation of reports for publication. The master's thesis may be based upon the data obtained.

Staff

TX 683, 684 SEMINAR

1 f s

Discussion of scientific articles of interest to textile industry; review and discussion of student papers and research problems.

Staff

TC 603, 604 TEXTILE CHEMISTRY V

3 f s

Prerequisite: TC 404

Theories of dyeing applicable to the various fiber-dye systems. Modern concepts of textile finishing. Special attention to problems introduced by the new synthetic polymer fibers in the field of dyeing and finishing. Advanced work in the chemical examination and evaluation of textile chemical auxiliary materials.

ZOOLOGY

COURSES FOR UNDERGRADUATES

ZO 101 GENERAL ZOOLOGY

3 (2-2) f s

Animals with special reference to the morphology and physiology of vertebrates, including intensive laboratory study of the mammal with lecture and laboratory work closely integrated and applied to human life.

Staff

ZO 102 GENERAL ZOOLOGY

3 (2-2) f s

Animals with special reference to economic and ecological consideration designed to give the student a general understanding of animal life and its importance in human affairs.

Staff

ZO 212 HUMAN ANATOMY

3 (2-2) f

Prerequisite: ZO 101

A study of human anatomy with major emphasis on the structure and function of the muscular, skeletal, circulatory, and nervous systems. Required of majors in recreation.

Mr. Evers

ZO 213 HUMAN PHYSIOLOGY

3 (2-2) s

Prerequisite: ZO 101

An elementary survey of human physiology. The central theme is the changes in the human body accompanying increased physical activity. The nature and mechanisms of these changes.

Mr. Evers

ZOOLOGY

ZO 223 COMPARATIVE ANATOMY

4 (2-4) f

Prerequisites: ZO 101, 102

A comparative morphology of vertebrates demonstrating the interrelationships of the organ systems of the various groups.

Mr. Harkema

ZO 252 ORNITHOLOGY

3 (2-3) s

Prerequisite: ZO 101

The biology, natural history, and classification of North American birds, with special reference to those of North Carolina and the eastern United States. Field trips for the study and identification of local forms.

Mr. Quay

ZO 301 ANIMAL PHYSIOLOGY

3 (2-3) f s

Prerequisites: ZO 101; PY 211; CH 101 or 201, and 203

Physiology of vertebrates with particular reference to man and the lower animals.

Mr. Evers

ZO 312 PRINCIPLES OF GAME MANAGEMENT

3 (3-0) f

Prerequisite: ZO 102; Elective for juniors and seniors not majoring in Wildlife

This course is intended to provide the student with a basic understanding of the major principles of wildlife management. It is designed especially for those individuals who anticipate entering the fields of agriculture, forestry, agricultural extension, or rural and industrial recreation.

Mr. Barkalow

ZO 315 ANIMAL PARASITOLOGY

3 (2-3) s

Prerequisites: ZO 101, 102

This course is designed to give students a knowledge and appreciation of the parasitic habit. The biology, life history, pathology, and control of the common parasites of domestic animals and poultry are covered.

Mr. Harkema

ZO 321 WILDLIFE AND NATURAL RESOURCE CONSERVATION

3 (3-0) s

Prerequisite: Sophomore standing in any school

The importance of natural resources to man and the part they play in national and international affairs; the principles which underlie their conservation and the impact of over-exploitation on primitive and civilized societies. Emphasis is placed on the renewable resources, particularly wildlife.

Mr. Barkalow

ZO 332 FUR RESOURCES

3 (1-4) f

Prerequisite: ZO 101

Life history and management of the important fur-bearing animals; skinning, drying, marketing pelts, fur farming.

Mr. Barkalow

ZO 452* ANIMAL MICROTECHNIQUE

3 (1-5) s

Prerequisites: ZO 101, 102, and CH 203

The theory and practice of preparing temporary and permanent histological mounts for microscopic study.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

ZO 501* ADVANCED ORNITHOLOGY

3 (2-3) f

Prerequisite: ZO 252, or approval of the instructor

Upland game birds, rails, and waterfowl—life histories, taxonomic relations, distribution, habitat and territory, display and behavior, instinct and intelligence food habits, census methods, populations and factors affecting abundance, management problems and procedures, recent investigations, current literature.

Mr. Quay

ZO 513 ADVANCED ANIMAL PHYSIOLOGY I**

3 (3-0) f

Prerequisite: ZO 301

Fundamentals of animal physiology from an advanced point of view. Lectures, discussions, outside reading, written and oral reports. Topics in the field of animal physiology will be selected for vigorous and detailed consideration in lectures and collateral reading. Each student will, in addition, prepare a term report, and his work will be supervised and evaluated during the preparation as well as at the end of the report. Selection of a few topics for study will be determined by the interests of the students and by their needs as may be expressed by the supervisor of their major work.

Mr. Evers

* Offered in alternate years. Will be given Spring 1958.

**Offered in alternate years. Will be given in Fall 1956.

ZO 521 FISHERY BIOLOGY

3 (1-6) f

Prerequisite: ZO 101, 102, and approval of the instructor

The principles and methods of fishery science. Current theories and practices of fish management will be studied. The collection and analysis of quantitative data will be emphasized.

Mr. Hassler

ZO 522 ANIMAL ECOLOGY

3 (3-0) s

Prerequisites: ZO 101, 102

The general principles of the interrelations between animals and their environments—land, fresh water, marine.

Mr. Quay

ZO 532 (GN 532)* BIOLOGICAL EFFECTS OF RADIATIONS

3 (3-0) s

Prerequisites: ZO 101, and approval of the instructor

Recommended Correlatives: GN 411, ZO 301, and BO 421

Qualitative and quantitative effects of radiations (other than the visible spectrum) on biological systems, including both morphological and physiological aspects in a consideration of genetics, cytology, histology, and morphogenesis.

Mr. Grosch

ZO 541, 542 COLD-BLOODED VERTEBRATES

3 (1-4) s, or 3 (1-4) s

Prerequisites: ZO 101, 102

The classification and ecology of selected groups of fishes, amphibians, and reptiles. Lectures, laboratories, and field trips dealing with the systematic positions, life histories, interrelationships, and distribution of the particular groups of cold-blooded vertebrates selected in accordance with the needs and interests of the class.

Mr. Brandt

ZO 544 MAMMALOGY

3 (1-4) f

Prerequisites: ZO 101, 102 and approval of the instructor

The classification and ecology of the major groups of mammals with particular emphasis on the orders native to the Southeastern United States.

Mr. Barkalow

ZO 545 HISTOLOGY**

4 (2-4) f

Prerequisites: ZO 101, 102

The microscopic anatomy of animal tissues.

Mr. Harkema

ZO 551, 552 WILDLIFE MANAGEMENT

3 (2-3) f s

Prerequisites: ZO 252 and BO 441, or approval of the instructor

The basic principles of wildlife management and their application are studied in the field and laboratory. The course is designed primarily for those seniors majoring in the field of wildlife management.

Mr. Barkalow

ZO 561* ANIMAL EMBRYOLOGY**

4 (2-4) f

Prerequisites: ZO 101, 102

The study of fundamental principles which apply in the achievement of complex animal structure, including both invertebrate and vertebrate materials. Correlative laboratory study to provide training in the basic disciplines and techniques. This course is intended for advanced students in entomology, animal industry, poultry science, and zoology.

Mr. Harkema

ZO 571 ADVANCED WILDLIFE MANAGEMENT, SPECIAL STUDIES

**Credits by
Arrangement**

Prerequisites: ZO 551 or 312, and approval of the instructor

A directed individual investigation of a particular problem, accompanied by an advanced survey of pertinent literature. A maximum of three credits allowed toward the bachelor's degree, four toward the master's degree, and six toward the doctorate.

Staff

* Offered in alternate years. Will be given Spring 1958.

** Offered in alternate years. Will be given Fall 1956.

*** Offered in alternate years. Will be given Fall 1957.

ZOOLOGY

ZO 581 FOOD HABITS PROBLEMS

3 (0-9) f s

Prerequisite: Approval of the instructor

Selected problems dealing with the foods and feeding habits of one species of wild animal or a group of similar animals.

Staff

ZO 591* PARASITOLOGY I

4 (2-4) f

Prerequisites: ZO 101, 102, and 223

The study of the morphology, biology, and control of the parasitic protozoa and helminths of man, domestic and wild animals.

ZO 592 (ENT 582) PARASITOLOGY II MEDICAL ENTOMOLOGY**

3 (2-3) s

Prerequisite: ENT 301, or approval of the instructor

A study of the morphology, biology and control of the parasitic arthropods of man, domestic and wild animals.

Mr. Harkema

COURSES FOR GRADUATES ONLY

ZO 603 ADVANCED PARASITOLOGY

3 (2-3) s

Prerequisites: ZO 591, 592

The study of the theoretical and practical aspects of parasitism; taxonomy, physiology, and immunology of animal parasites.

ZO 611 ANIMAL ECOLOGY, SPECIAL STUDIES

Credits by Arrangement

Prerequisites: ZO 522, and approval of the instructor

Directed individual investigation of a particular problem, accompanied by an advanced survey of literature. A maximum of three credits allowed toward the master's degree and six toward the doctorate.

Staff

ZO 614 ADVANCED ANIMAL PHYSIOLOGY II

3 (3-0) f

Prerequisite: Approval of the instructor

Selected fundamental principles in physiology will be studied and interpreted for their relation to the vertebrates. Lectures and critical reports to promote acquaintance with general literature and recent advances. Lectures, discussions, written and oral reports.

Mr. Evers

ZO 622 SEMINAR

1 (1-0) f s

Prerequisite: Graduate standing

The presentation and defense of current literature papers dealing either with the findings of original research or with fundamental biological concepts.

Staff

ZO 627, 628 ZOOGEOGRAPHY

3 (3-0) f s

Prerequisite: ZO 522, or approval of the instructor

A study of the geographic distribution of animals with the consideration of some of the important factors influencing geographic distribution.

Mr. Quay

ZO 641 RESEARCH IN ZOOLOGY

Credits by Arrangement

Prerequisites: Twelve semester credits in Zoology, and approval of the instructor

Problems in development, life history, morphology, physiology, ecology, game management, taxonomy, or parasitology. A maximum of six credits is allowed toward the master's degree but any number toward the doctorate.

Staff

* Offered in alternate years. Will be given Fall 1957.

** Offered in alternate years. Will be given Spring 1958.

We develop new ideas and techniques. But our mission is more than that. We, also, develop men who convert the techniques into finer products and healthier crops—for North Carolina State College is an investment in the economic future of North Carolina.

John William Harrelson
Chancellor, 1934-1953



Campus vista east from Kilgore and Scott Halls
to the College Union and Library in background.



OVER 550 TEACHERS • GUIDING, MOLDING, TRAINING

V. ADMINISTRATION AND FACULTY OF N. C. STATE

	Page
The Alumni Association	294
College Foundations	294
College Publications	295
Summary of Enrollment	296
Board of Trustees	297
N. C. State Administrative Council	299
Officers of Instruction	300
Special Staff	322

THE ALUMNI ASSOCIATION — — — — —

H. W. Taylor, *Director of Alumni Affairs*

OBJECTIVES

The purposes of the Alumni Association are: to promote the growth, progress, and general welfare of State College; to foster among its former students a sentiment of regard for one another and continuing attachment to their Alma Mater; and to interest prospective students in attending State College.

MEMBERSHIP ACTIVITIES

Active membership is available to all former students, regardless of length of stay at the college; members of the faculty, administrative staff, Agricultural Extension Service, Agricultural Experiment Station, teachers of agriculture in North Carolina high schools; and other persons who have successfully completed a short course at North Carolina State College and received a certificate therefor.

Honorary membership consists of such distinguished persons as are duly elected to honorary membership in the Association. The Association meets annually during Alumni Week. Class reunions (scheduled so that each class has a reunion every five years after graduation) are also held each year in connection with Alumni Week. Officers of the Association are elected by the active members each year through the medium of a mail ballot. Local State College clubs are organized in most of the counties in North Carolina and in a number of cities in other states.

ALUMNI FUND

This fund was established by the Alumni Association at State College in 1952 to replace the old dues paying program and provide a means through which the alumni may contribute to the advancement of the College. Each alumnus is invited to make an annual contribution.

STATE COLLEGE NEWS

State College News is published every month in the year by the Alumni Association and sent to contributors to the Alumni Fund. The purpose of the magazine is to keep Association members in touch with the College and with each other. It carries news and pictures of former and present students and of the college.

THE ALUMNI OFFICE

Records of both graduate and nongraduates are kept by the Alumni Office. The master file includes information on all former students; other files are arranged geographically and by classes. Biographical files are also kept.

Serving as a medium of communication between alumni and the College, the Alumni Office, located in the Old Infirmary Building, is official headquarters for alumni when they visit the campus.

COLLEGE FOUNDATIONS — — — — —

L. L. Ray, *Director*

There are eight foundations organized and incorporated under the laws of North Carolina which promote and support various programs of State College.

THE NORTH CAROLINA STATE COLLEGE FOUNDATION, INC.

was organized on December 11, 1942 to foster and promote the general welfare of North Carolina State College and to receive and administer gifts and donations for such purposes. The Board of Directors is composed of Alumni of State College and members of the Board of Trustees of the University of North Carolina.

THE NORTH CAROLINA AGRICULTURAL FOUNDATION, INC.

renders financial assistance through supplements in the development of strong teaching programs in agriculture and assists the Extension Service and Agricultural Experiment Station of the School of Agriculture at North Carolina State College.

THE NORTH CAROLINA DAIRY FOUNDATION, INC.

aims to promote and improve all phases of dairying in North Carolina through education, research, and extension. A Board of Directors of sixty persons handles the affairs of the Foundation; these directors represent distributors, producers, and jobbers.

THE NORTH CAROLINA ENGINEERING FOUNDATION, INC.

gives financial assistance to teaching, research, and extension in and through the School of Engineering.

THE NORTH CAROLINA TEXTILE FOUNDATION, INC.

was formed to promote the development of the School of Textiles, and was incorporated on December 31, 1942. Funds for this Foundation have been raised largely from textile manufacturing plants and other corporations and industries closely allied to textiles.

THE NORTH CAROLINA ARCHITECTURAL FOUNDATION, INC.

was organized in January, 1949. Foundation funds are used for the promotion and advancement of architectural education at North Carolina State College.

THE NORTH CAROLINA FORESTRY FOUNDATION

was incorporated April 15, 1929. The Foundation has acquired a tract of land known as the Hofmann Forest, consisting of about 80,000 acres in Jones and Onslow counties, which is used as a demonstration and research laboratory for forestry students.

PULP AND PAPER FOUNDATION, INC.

Incorporated December 19, 1954 by the southern pulp and paper mills, for the purpose of supporting the program of pulp and paper technology in the School of Forestry.

—COLLEGE PUBLICATIONS

THE STATE COLLEGE RECORD

official publication of State College, is issued monthly and announces the results of special studies and of research by members of the faculty. The March issue is generally the annual Catalog, with announcements for the following year. Announcements concerning College Extension courses are also made through the *Record* series. Brief notices of the short courses and special conferences which are held on the campus from time to time are issued by the Division of College Extension. The Director of Foundations likewise publishes brochures which are of special interest to North Carolinians.

THE STATELOG

is published monthly by the College to relate to the people of the state news of what is going on at State College and to strengthen the traditional link between the services of the College and the progress of the state. Subscription to the *Statelog* is free to all interested persons.

TECHNICAL AND SEMI-POPULAR BULLETINS

are issued by the Agricultural Experiment Station when research projects are completed or when they have progressed far enough that the results are seen to be of definite value. General publications interpreting the scientific findings of the Experiment Station or giving the results of Extension demonstrations are compiled by members of the Agricultural Extension staff and printed as circulars, folders, and pamphlets. Designed for popular use, these are usually written in a brief, clear style. Copies of these publications are sent free to citizens of the state upon request. Publication of these bulletins is announced by the press and radio of the state.

RESEARCH AND FARMING,

a quarterly bulletin journal written in popular style and giving the results of research and suggesting practical application of the information obtained is published by the Experiment Station.

EXTENSION FARM NEWS

published monthly, is the official house organ of the Extension Service. Subscription to both Research and Farming and Extension Farm News is free to citizens of North Carolina.

AGRICULTURE

An annual report published by the School of Agriculture contains a resume of activities of the Experiment Station, Extension Service, and Resident Teaching.

ENGINEERING SCHOOL BULLETINS

showing results of experimental and research projects in the School of Engineering are made available by the Department of Engineering Research.

ENGINEERING RESEARCH NEWS,

a quarterly publication of the Department of Engineering Research, is a review of current activities in the School of Engineering. Copies of these publications may be obtained from the Department.

TEXTILE PUBLICATIONS

pertaining to research may be secured from the Dean of the School of Textiles.

SUMMARY OF ENROLLMENT, 1955-56 — — — —

RESIDENT STUDENTS

Regular Session	
Freshmen	1,751
Sophomores	1,138
Juniors	846
Seniors	748
Professionals	56
Graduates	456
Specials and Unclassified	133
Auditors	43
	5,181
Men	5,073
Women	108
	5,181

EXTENSION, CONFERENCES, SHORT COURSES

July 1, 1955—June 30, 1956	
Extension Classes	1,985
Correspondence Courses	2,286
Short Courses and Con- ferences	5,384
Gaston Technical Institute	233
	9,888

ENROLLMENT BY CURRICULA, 1955-56 — — — —

REGULAR SESSION

SCHOOL OF AGRICULTURE

Agriculture	
Agricultural Economics	
Agricultural Engineering	
Agri. and Biol. Chemistry	
Agronomy*	
Animal Ecology	
Animal Industry	
Botany	
Dairy Manufacturing	
Entomology	
Experimental Statistics	
Genetics	
Horticulture	
Mechanized Agriculture	
Plant Pathology	
Plant Physiology	
Poultry Science	
Rural Sociology	
Wildlife Cons. and Mgt.	
Zoology	
Total	865

SCHOOL OF DESIGN

Architecture	216
Landscape Architecture	20
Total	236

SCHOOL OF EDUCATION

244 Agricultural Education	226
45 Industrial Arts Education	95
75 Industrial Education	2
25 Industrial Psychology	16
113 Ind. and Rural Recreation	119
2 Mathematics Education	19
120 Occup. Inf. and Guidance	14
6 Science Education	9
40 Total	500

SCHOOL OF ENGINEERING

25 Applied Mathematics	10
17 Ceramic	34
15 Chemical	182
3 Civil	428
12 Civil Engineering, Const. Op.	125
10 Construction	15
38 Electrical	644
12 Engineering Physics	17
Furniture Mfg. and Mgt.	47
Geological	32
Heating and Air Cond.	71
Industrial	175
Mechanical	513
Mechanical, Aero. Opt.	166
Nuclear	220
Total	2,679

SCHOOL OF FORESTRY

Forestry	130
Forest Management	72
Pulp and Paper Technology	18
Wood Production Merchandising	18
Wood Technology	13
Total	251

SCHOOL OF TEXTILES

Textile Chemistry	40
Textile Manufacturing	10
Textiles	411
Total	461

NOT CLASSIFIED

Unclassified Undergraduates, Auditors, and Special Students	148
Unclassified Graduates	38
Total	186

GRADUATE STUDENTS

Distribution of Graduate students by schools (included in above depart- mental classification):	
Agriculture	221
Education	78
Engineering	118
Forestry	18
Textiles	21
Total	456
GRAND TOTAL	5,181

OFFICERS

THE UNIVERSITY OF NORTH CAROLINA

The North Carolina State College of Agriculture and Engineering,
The University of North Carolina, Chapel Hill
The Woman's College of the University of North Carolina, Greensboro

BOARD OF TRUSTEES

Luther H. Hodges, *Governor, Chairman Ex-Officio*
Arch T. Allen, *Secretary*
Charles F. Carroll, *State Supt. of Public Instruction, Member Ex-Officio*
R. Gregg Cherry, *Life Trustee*
W. Kerr Scott, *Life Trustee*

TERM EXPIRING APRIL 1, 1957

Name	City	County
B. B. Everett	Palmyra	Halifax
Mrs. R. S. Ferguson	Taylorsville	Alexander
Harry A. Greene	Raeford	Hoke
F. D. B. Harding	Yadkinville	Yadkin
Mrs. Albert Lathrop	Asheville	Buncombe
Kemp B. Nixon	Lincolnton	Lincoln
G. N. Noble	Trenton	Jones
Thomas J. Pearsall	Rocky Mount	Nash
H. L. Riddle, Jr.	Morganton	Burke
John C. Rodman	Washington	Beaufort
Roy Rowe	Burgaw	Pender
C. Wayland Spruill	Windsor	Bertie
Mrs. Charles W. Stanford	Chapel Hill	Orange
John P. Stedman	Lumberton	Robeson
C. Lacy Tate	Chadbourn	Columbus
H. P. Taylor	Wadesboro	Anson
W. Frank Taylor	Goldsboro	Wayne
Mrs. May L. Tomlinson	High Point	Guilford
F. E. Wallace	Kinston	Lenoir
D. Libby Ward	New Bern	Craven
James L. Woodson	Salisbury	Rowan

TERM EXPIRING APRIL 1, 1959

Name	City	County
Arch T. Allen	<i>Raleigh</i>	<i>Wake</i>
Mrs. Ed M. Anderson	<i>West Jefferson</i>	<i>Ashe</i>
William C. Barfield	<i>Wilmington</i>	<i>New Hanover</i>
Kemp D. Battle	<i>Rocky Mount</i>	<i>Nash</i>
F. Jack Blythe	<i>Charlotte</i>	<i>Mecklenburg</i>
Charles A. Cannon	<i>Concord</i>	<i>Cabarrus</i>
Mrs. Nancy Hall Copeland	<i>Farmville</i>	<i>Hertford</i>
W. C. Harris, Jr.	<i>Murfreesboro</i>	<i>Wake</i>
Hugh G. Horton	<i>Raleigh</i>	<i>Martin</i>
Dr. Paul E. Jones	<i>Williamston</i>	<i>Pitt</i>
A. H. London	<i>Pittsboro</i>	<i>Chatham</i>
Mrs. P. P. McCaiss	<i>Red Springs</i>	<i>Robeson</i>
John J. Parker	<i>Charlotte</i>	<i>Mecklenburg</i>
J. Hampton Price	<i>Leaksville</i>	<i>Rockingham</i>
Claude W. Rankin	<i>Fayetteville</i>	<i>Cumberland</i>
Dr. B. F. Royal	<i>Morehead City</i>	<i>Carteret</i>
F. S. Royster	<i>Oxford</i>	<i>Granville</i>
William P. Saunders	<i>Aberdeen</i>	<i>Moore</i>
Fred P. Saunders	<i>Kinston</i>	<i>Lenoir</i>
Dr. Shahane Taylor	<i>Greensboro</i>	<i>Guilford</i>
Oscar Vatz	<i>Fayetteville</i>	<i>Cumberland</i>
Herman Weil	<i>Goldsboro</i>	<i>Wayne</i>
Hill Yarborough	<i>Louisburg</i>	<i>Franklin</i>
J. R. Young	<i>Dunn</i>	<i>Harnett</i>

TERM EXPIRING APRIL 1, 1961

Name	City	County
Wade Barber	<i>Pittsboro</i>	<i>Chatham</i>
Frank H. Brown, Jr.	<i>Cullowhee</i>	<i>Jackson</i>
Victor S. Bryant	<i>Durham</i>	<i>Durham</i>
John W. Clark	<i>Franklinville</i>	<i>Randolph</i>
W. Lunsford Crew	<i>Roanoke Rapids</i>	<i>Halifax</i>
R. Floyd Crouse	<i>Sparta</i>	<i>Alleghany</i>
Horton Doughton	<i>Statesville</i>	<i>Iredell</i>
A. C. Edwards	<i>Hookerton</i>	<i>Greene</i>
Henry A. Foscue	<i>High Point</i>	<i>Guilford</i>
Robert M. Hanes	<i>Winston-Salem</i>	<i>Forsyth</i>
Dr. L. J. Herring	<i>Wilson</i>	<i>Wilson</i>
Mrs. J. B. Kittrell	<i>Greenville</i>	<i>Pitt</i>
John D. Larkins, Jr.	<i>Trenton</i>	<i>Jones</i>
Dr. Harvey B. Mann	<i>Lake Landing</i>	<i>Hyde</i>
C. Knox Massey	<i>Durham</i>	<i>Durham</i>
Reid A. Maynard	<i>Burlington</i>	<i>Alamance</i>
Glenn C. Palmer	<i>Clyde</i>	<i>Haywood</i>
Ediwn S. Pou	<i>Raleigh</i>	<i>Wake</i>
Grace Taylor Rodenbough	<i>Walnut Cove</i>	<i>Stokes</i>
A. Alex Shuford, Jr.	<i>Hickory</i>	<i>Catawba</i>
L. H. Swindell	<i>Washington</i>	<i>Beaufort</i>
Mrs. Charles W. Tillett	<i>Charlotte</i>	<i>Mecklenburg</i>
Carl V. Venters	<i>Jacksonville</i>	<i>Onslow</i>
J. Shelton Wicker	<i>Sanford</i>	<i>Lee</i>
E. Leigh Winslow	<i>Hertford</i>	<i>Perquimans</i>

Name	City	County
Mrs. Oscar Barker	Durham	Durham
H. D. Bateman	Wilson	Wilson
Irwin Belk	Charlotte, 400 Eastover Road	Mecklenburg
Mitchell Britt	Warsaw	Duplin
Mrs. Mebane H. Burgwyn	Jackson	Northampton
S. N. Clark, Jr.	Tarboro	Edgecombe
T. J. Collier	Bayboro	Famlico
A. Roy Cox	Asheboro	Randolph
Eugene Cross	Marion	McDowell
Ben E. Fountain	Rocky Mount	Edgecombe
O. Max Gardner, Jr.	Shelby	Cleveland
John G. H. Geitner	Hickory	Catawba
George Watts Hill	Durham, 111 Corcoran Street	Durham
John H. Kerr, Jr.	Warrenton	Warren
M. C. Lassiter	Snow Hill	Greene
J. Spencer Love	Greensboro	Guilford
D. L. McMichael	Madison	Rockingham
Rudolph I. Mintz	Wilmington	New Hanover
Thomas O. Moore	Winston-Salem	Forsyth
Ashley M. Murphy	Atkinson	Pender
Mrs. B. C. Parker	Albemarle	Stanly
Thomas Turner	Greensboro	Guilford
John W. Umstead, Jr.	Chapel Hill	Orange
Sam L. Whitehurst	New Bern—Rt. 1	Craven
Macon M. Williams	Lenoir	Caldwell

EXECUTIVE COMMITTEE OF THE BOARD

Luther H. Hodges, Governor, *Chairman Ex-Officio*
Arch T. Allen, *Secretary*

Wade Barber	Rudolph I. Mintz
Victor S. Bryant	Thomas J. Pearsall
John W. Clark	John J. Parker
George W. Hill	W. Frank Taylor
Mrs. Virginia T. Lathrop	Mrs. May L. Tomlinson
Reid A. Maynard	J. W. Umstead, Jr.

NORTH CAROLINA STATE COLLEGE, OFFICERS OF ADMINISTRATION

ADMINISTRATIVE COUNCIL

Carey H. Bostian, A.B., M.S., PH.D., *Chancellor, Chairman*
D. B. Anderson, B.A., M.A., Ph.D., *Associate Dean of the Graduate School*
M. E. Campbell, B.S., *Dean of the School of Textiles*
D. W. Colvard, B.S., M.S., Ph.D., *Dean of the School of Agriculture*
C. Addison Hickman, B.A., M.A., Ph.D., *Dean of the School of General Studies*
H. L. Kamphoefner, B.S., M.S., *Dean of the School of Design*
J. B. Kirkland, B.S., M.S., Ph.D., *Dean of the School of Education*
J. H. Lampe, B.S., M.S., DR. ENG., *Dean of the School of Engineering*
R. J. Preston, A.B., M.F.S., Ph.D., *Dean of the School of Forestry*
L. L. Ray, *Assistant to the Chancellor in Charge of Development and Director of Foundations*
John W. Shirley, *Dean of the Faculty*
J. J. Stewart, Jr., B.S., M.A., *Dean of Student Affairs, Secretary*
J. G. Vann, *Business Manager*

COLLEGE POLICY

By action of the Trustees, the General Faculty includes all members of the College's teaching force above the rank of Instructor and all general administrative officers of the institution. In the President of the Consolidated University, the Chancellor of the College, and the General Faculty is vested final authority (under the Trustees) over all matters of College policy and activity. Under the General Faculty and Administrative Council, the Schools have separate Faculties and Administrative Boards (composed of all Department Heads) which have final authority over matters pertaining solely to their respective Schools, when not in conflict with Consolidated University and College regulations.

OFFICERS OF INSTRUCTION— — — — —

* As of January 1, 1956

- WILLIAM CLYDE FRIDAY,
President, B.S., N. C. State College; L.L.B., University of North Carolina.
- WILLIAM M. WHYBURN,
Acting Provost, A.B., M.A., Ph.D., Texas; L.L.D., Texas Technological College.
- CAREY HOYT BOSTIAN,
Chancellor, A.B., Catawba College; M.S., Ph.D., University of Pittsburgh.
- CATHERINE WEBER ABRUZZI,
Instructor in Economics, B.A., M.A., University of California, Los Angeles.
- JAMES E. ADAMS,
Instructor in Architecture, B. Arch., University of Sydney, Sydney, Australia; M. Arch., Harvard University.
- WILLIAM ELTON ADAMS,
Director of Instruction, School of Engineering, and Associate Professor of Mechanical Engineering, B.S., Ohio University; M.S., North Carolina State College.
- STANTON CAMPBELL AGNEW,
Assistant Professor of Air Science, Lt. Colonel, U. S. Air Force, B.A., University of Missouri.
- JOSEPH LEWIS ALLISON,
Professor of Plant Pathology, B.S., Montana State College; M.S. State College, Washington; Ph.D., University of Minnesota.
- FRED J. ALLRED,
Assistant Professor of Modern Languages, B.A., M.A., University of North Carolina.
- JAMES PHILLIP AMMERMAN, JR.,
Assistant Professor of Animal Industry, B.S., University of Kentucky.
- CHARLES NOEL ANDERSON,
Instructor in Mathematics, B.E.E., M.E.Math., North Carolina State College.
- DONALD BENTON ANDERSON,
Associate Dean of Graduate School, Head of Division of Biological Sciences and Professor of Botany, B.A., B.Sc.Ed., M.A., Ph.D., Ohio State University.
- RICHARD LOREE ANDERSON,
Professor of Experimental Statistics, A.B., DePauw University; M.S., Ph.D., Iowa State College.
- ROY NELS ANDERSON,
Professor of Education, B.A., University of Denver; M.A., Ph.D., Columbia University.
- WILLIAM ALLEN ANDREWS,
Assistant Professor of Civil Engineering, B.S., Arch. E., M.S.C.E., Sc. D.C.E., Washington University.
- LINDSEY OTIS ARMSTRONG,
Professor of Agricultural Education, B.S., M.S., North Carolina State College.
- CLARENCE MONROE ASBILL, JR.,
Professor of Textile Machine Design and Development, B.S., Clemson College.
- LEONARD WILLIAM AURAND,
Research Associate Professor of Animal Industry, B.S., Pennsylvania State College; M.S., University of New Hampshire, Ph.D., Pennsylvania State College.
- WILLIAM WYATT AUSTIN, JR.,
Head of Department and Professor of Metallurgy, B.S., Birmingham Southern College, M.S., Ph.D., Vanderbilt University.
- WILLARD FARRINGTON BABCOCK,
Professor of Civil Engineering, B.S., S.M., Massachusetts Institute of Technology.
- BRUCE LLOYD BAIRD,
Instructor in Soils, B.S., M.S., Utah State College
- STEWART ROLANDUS BAKER,
Instructor in Mathematics, B.A., Ursinus College; M.Math., North Carolina State College.
- ERNEST BALL,
Associate Professor of Botany, B.S., M.S., Oklahoma University; Ph.D., University of California.
- STANLEY THOMAS BALLENGER,
Associate Professor of Modern Languages, B.A., M.A., University of North Carolina.
- PAULL ALONZO BANE, JR.,
Assistant Professor of Military Science and Tactics, Lt. Col. Armor, U. S. Army, B.S., Pennsylvania State University.
- CLIFFORD WARREN BARBER,
Professor of Poultry Science, D.V.M., Colorado State College; Ph.D., Cornell University.
- WILLIAM JOHN BARCLAY,
Associate Professor of Electrical Engineering, B.S., Oregon State College; E.E., Ph.D., Stanford University.
- ALDOS C. BAREFOOT,
Assistant Professor of Forest Utilization, B.S., M.Wood Tech., North Carolina State College.

- WARREN SANDUSKY BARHAM,
Associate Professor of Horticulture, B.S., University of Arkansas; Ph.D., Cornell University.
- FREDERICK SCHENCK BARKALOW, JR.,
Head of Zoology Faculty and Professor of Zoology, B.S., Georgia School of Technology; M.S., Ph.D., University of Michigan.
- KEY LEE BARKLEY,
Acting Head, Department of Psychology; Director of Applied Experimental Psychology Laboratory and Professor of Psychology, B.A., Berea College; M.A., Ph.D., University of North Carolina.
- RALPH GARNETT BARNARD,
Research Associate, Department of Textile Research and Research Instructor in Textiles; B.S., North Carolina State College.
- NEAL ALEXANDER BARNES,
Instructor in Agricultural Engineering, B.S., North Carolina State College.
- LUTHER WESLEY BARNHARDT,
Associate Professor of History and Political Science, A.B., Trinity College; A.M., University of Wisconsin.
- CATHERINE GREGORY BARNHART,
Instructor in English, A.B., Salem College; M.A., University of North Carolina.
- WILLIAM J. BARNHART,
Instructor in English, A.B., University of Tennessee; M.A., Ph.D., University of North Carolina.
- JOHN HAROLD BARRETT,
Assistant Professor of Physics, B.S., M.A., Ph.D., Rice Institute.
- ELLIOTT RAY BARRICK,
Head of Animal Husbandry Section and Professor of Animal Industry, B.S., Oklahoma A. & M. College; M.S., Ph.D., Purdue University.
- ANDREW JACKSON BARTLEY,
Assistant Professor of Economics, B.A., B. S., M.A., University of Missouri.
- FREDERICK LEROY BATES,
Assistant Professor in Rural Sociology, B.S., M.A., George Washington University; Ph.D., University of North Carolina.
- WILLIAM LUDWIG BAUMGARTEN,
Professor of Architecture, Dipl. in Arch., Imperial Academy of Fine Arts of Vienna.
- DAVID HARDING BAXTER,
Instructor in Civil Engineering, B.C.E., North Carolina State College.
- ERNEST OSCAR BEAL,
Assistant Professor of Botany, B.A., North Central College; M.S., Ph.D., State University of Iowa.
- KENNETH ORION BEATTY, JR.,
Professor of Chemical Engineering, B.S.Ch.E., M.S., Lehigh University; Ph.D., University of Michigan.
- JACOB LYNFORD BEAVER
Visiting Professor of Electrical Engineering, E.E., M.S., Lehigh University; Sc.D., Harvard University.
- ROGER RUREL BELL,
Assistant Professor of Animal Industry, D.V.M., University of Georgia; M.S., Texas Agricultural and Mechanical College.
- BURTON FLOYD BEERS,
Instructor in History and Political Science, B.A., Hobart College; M.A., Duke University.
- WILLIAM CALLUM BELL,
Research Professor of Ceramic Engineering, B.S., North Carolina State College; M.S., Ph.D., Ohio State University.
- ERNEST BEZOLD BERRY,
Assistant Professor of Textiles, B.S., Clemson College.
- JAMES SAMUEL BETHEL,
Professor of Wood Technology, B.S.F., University of Washington; M.F., D.F., Duke University.
- CHARLES EDWIN BISHOP,
Associate Professor, William Neal Reynolds Distinguished Professor of Agricultural Economics, B.S., Berea College; M.S., University of Kentucky; Ph.D., University of Chicago.
- THOMAS JACKS BLALOCK,
Instructor in Chemistry, B.S., Presbyterian College; M.A., University of North Carolina.
- LEONARD FRANKLIN BLANTON,
Instructor in Animal Industry, B.S., North Carolina State College.
- GEORGE BENJAMIN BLUM, JR.
Instructor in Agricultural Engineering, B.S., North Carolina State College.
- THOMAS NELSON BLUMER,
Associate Professor of Animal Industry, B.S., Pennsylvania State College; Ph.D., Michigan State College.

- JOHN FRANCIS BOGDAN,
Professor of Textiles and Director of Processing Research, B.T.E., Lowell Textile Institute.
- ALFRED FRANCIS BORG,
Associate Professor of Botany, B.S., M.S., Ph.D., University of Washington
- PHILIPPE FRANCOIS BOURDEAU,
Assistant Professor of Botany, Ing. For., I.A. Gx., Belgium; M.A., Ph.D., Duke University.
- HENRY DITTIMUS BOWEN,
Assistant Professor of Agricultural Engineering, B.S., M.S., Ph.D., Michigan State College.
- THOMAS GLENN BOWERY,
Research Associate Professor of Chemistry, B.S., Michigan State College; M.S., Ph.D., Rutgers University.
- EDWARD HOSMER BRADFORD,
Research Associate, Department of Textile Research and Research Assistant Professor in Textiles, B.T.E., Lowell Textile Institute.
- CHARLES RAYMOND BRAMER,
Professor of Civil Engineering, B.S., E.M., Michigan College of Mining and Metallurgy.
- BARTHOLOMEW BRANDNER BRANDT,
Professor of Zoology, B.S., Mississippi State College; A.M., Ph.D., Duke University.
- VESTER ROBERTSON BRANTLEY,
Assistant Professor of Mathematics, B.A., M.A., Wake Forest College.
- PAUL ARNOLD BREDENBERG,
Assistant Professor of Philosophy and Religion and Social Studies, B.A., University of Pennsylvania; Ph.D., Yale University.
- CHARLES HENRY BRETT,
Associate Professor of Entomology, B.S., M.S., University of Nebraska; Ph.D., Kansas State College.
- WILLIAM STALEY BRIDGES,
Associate Professor of Mechanical Engineering, B.E., M.S., North Carolina State College.
- HERMON BURKE BRIGGS,
Professor Emeritus of Engineering Drawing and Descriptive Geometry, B.E., M.E., North Carolina State College.
- RICHARD BRIGHT,
Associate Professor of Chemical Engineering, B.S., M.S., State University of Iowa.
- CHARLES A. BRIM,
Research Assistant Professor of Field Crops (Coop USDA), B.S., M.S., Ph.D., University of Nebraska.
- PERLEY FLOYD BROOKENS,
Associate Professor of Economics, B.A., University of South Dakota; Ph.D., University of Maryland.
- KING RICHARD BROSE,
Research Associate in Engineering Research, B.M.E., B.I.E., North Carolina State College.
- BENJAMIN FLOYD BROWN,
Research Associate Professor of Metallurgy in Engineering Research, B.S., University of Kentucky; M.S., S.D., Carnegie Institute of Technology.
- BENJAMIN FRANKLIN BROWN,
Dean Emeritus of the School of General Studies, B.S., Northwestern University.
- DAVID CHARLES BROWN,
Instructor in Mechanical Engineering, B.S., N. C. State College.
- EDMOND JOSEPH BROWN,
Assistant Professor of Physics, B.S., M.S., North Carolina State College.
- MARVIN LUTHER BROWN, JR.,
Assistant Professor of History and Political Science, A.B., Haverford College; A.M., Ph.D., University of Pennsylvania.
- TALMAGE THURMAN BROWN,
Associate Professor of Poultry Science, B.S., M.S., North Carolina State College.
- THEODORE CECIL BROWN,
Associate Professor of Mechanical Engineering, B.S.M.E., M.E., University of Kentucky; M.S., North Carolina State College.
- WILLIAM LEWIS BROWN,
Instructor in Animal Industry, B.S., Clemson College; M.S., North Carolina State College.
- THOMAS EVERETTE BROWNE,
Director Emeritus of the Division of Teacher Education, B.A., Wake Forest College; M.A., Columbia University.
- WILLIAM HAND BROWNE, JR.,
Professor Emeritus of Electrical Engineering, B.A., P.A.E., B.E., Extra Ordinem, Johns Hopkins University.

- WILLIAM ALEXANDER BRUN,**
Assistant Professor of Botany, B.S., University of Miami; M.S., Ph.D., University of Illinois.
- RALPH C. BRYANT,**
Professor of Forest Economics, B.S., M.F., Yale University; Ph.D., Duke University.
- WILLIAM LAWRENCE BRYANT,**
Instructor in Agricultural Education, B.S., North Carolina State College.
- ROBERTS COZART BULLOCK,**
Professor of Mathematics, B.A., M.A., University of North Carolina; Ph.D., University of Chicago.
- HARVEY LINDY BUMGARDNER,**
Assistant Professor of Poultry Science, B.S., North Carolina State College; M.S., Ph.D., University of Maryland.
- ELVA BURGESS,**
Assistant Professor of Psychology, A.B., Meredith College; M.S., North Carolina State College; Ph.D., Pennsylvania State College.
- MICHAEL DAVID CAFFEY, JR.,**
Assistant Professor of Psychology, B.A., Guilford College; M.A., Teachers College, Columbia University.
- GEORGE CHARLES CALDWELL,**
Instructor in Mathematics, A.B., M.A., University of North Carolina.
- HORACIO CAMINOS,**
Visiting Associate Professor of Architecture, Diploma in Architecture, University of Buenos Aires.
- KENNETH STODDARD CAMPBELL,**
Professor of Textile Chemistry, B.S., Clemson College; B.A., Bates College.
- MALCOLM EUGENE CAMPBELL,**
Dean of the School of Textiles, Graduate of the New Bedford Textile Institute; B.S., Clemson College; M.S., New Bedford Institute of Textiles and Technology; D.Tex., Philadelphia Textile Institute.
- EMMETT JOHN CANADAY,**
Assistant Professor of Mathematics, B.A., William Jewell College; M.A., Missouri University.
- IRVING THEODORE CARLSON**
Assistant Professor of Field Crops, B.S., M.S., Washington State College; Ph.D., University of Wisconsin.
- CHARLES LEMUEL CARROLL,**
Associate Professor of Mathematics, B.S., Guilford College; M.A., Ph.D., University of North Carolina.
- SARAH PORTER CARROLL,**
Research Instructor in Experimental Statistics, A.B., Meredith College; M.S., North Carolina State College.
- ROBERT GORDON CARSON, JR.**
Head of Department and Professor of Industrial Engineering, B.S., Clemson College; M.S., Georgia Institute of Technology; Ph.D., University of Michigan.
- VICTOR STUART CARSON,**
Professor of Electrical Engineering, B.S., Oregon State College; E.E., Ph.D., Leland Stanford University.
- ROY MERWIN CARTER,**
Professor of Wood Technology, B.S.F., University of Minnesota; M.S., Michigan State College.
- ROBERT BARNES CASADY,**
Assistant Professor of Animal Industry, B.S., Ph.D., University of California.
- EDUARDO FERNANDO CATALANO,**
Acting Head of Department and Visiting Professor of Architecture, Diploma in Architecture, University of Buenos Aires; M.Arch., University of Pennsylvania; M.Arch., Harvard University.
- DAVID MARSHALL CATES,**
Assistant Director, Chemical Research, Department of Textile Research, and Research Assistant Professor in Textile Chemistry, B.S., M.S., North Carolina State College; M.A., Ph.D., Princeton University.
- JOHN WESLEY CELL,**
Professor of Mathematics, B.A., M.A., Ph.D., University of Illinois.
- DOUGLAS SCALES CHAMBLEE,**
Associate Professor of Field Crops, B.S., M.S., North Carolina State College; Ph.D., Iowa State College.
- CLIFFORD DALE CLARK,**
Assistant Professor of Economics, B.A., University of Kansas; M.A., Ph.D., University of Chicago.
- JOSEPH DEADRICK CLARK,**
Professor of English, B.A., Columbia University; M.A., Harvard University.
- LEWIS JAMES CLARKE,**
Visiting Assistant Professor of Landscape Architecture, Dip. in Arch., School of Arch., Leicester; Dip. in L.D., Kings College, University of Durham; M.L.A., Harvard University.
- JOHN MONTGOMERY CLARKSON,**
Professor of Mathematics, B.A., Wofford College; M.A., Duke University; Ph.D., Cornell University.

- ALBERT J. CLAWSON,
Assistant Professor of Animal Industry, B.S., University of Nebraska; M.S., Kansas State College; Ph.D., Cornell University.
- CARLYLE NEWTON CLAYTON,
Professor of Plant Pathology, B.S., Clemson College; Ph.D., University of Wisconsin.
- MAURICE HILL CLAYTON,
Instructor in Engineering Mechanics, B.S., Wake Forest College; M.E.Math., North Carolina State College.
- JOHN JAMES CLEARY,
Assistant Professor of Aeronautical Engineering, B.S. in Ae. E., M.S. in Ae. E., University of Notre Dame.
- FRED DERWARD COCHRAN,
Professor of Horticulture, B.S., Clemson College; M.S., Louisiana State University; Ph.D., University of California.
- COLUMBUS CLARK COCKERHAM,
Associate Professor of Experimental Statistics, B.S., M.S., North Carolina State College; Ph.D., Iowa State College.
- JAMES KIRK COGGIN,
Professor of Agricultural Education, In Charge In-Service Training, B.S., North Carolina State College; M.S., Cornell University.
- JAMES LAWRENCE COLE,
Instructor in Social Studies, A.B., Oberlin College; M.A., Princeton University.
- NATHANIEL TERRY COLEMAN,
Professor of Soils, B.A., Knox College; Ph.D., North Carolina State College.
- HERBERT COLLINS,
Assistant Professor of Social Studies, B.A., Brooklyn College; M.A., Duke University.
- DEAN WALLACE COLVARD,
Dean of School of Agriculture and Professor of Animal Industry, B.S., Berea College; M.S., University of Missouri; Ph.D., Purdue University.
- WILLIAM EARLE COLWELL,
Assistant Director of Research, In Charge Tobacco Research in School of Agriculture and Professor of Soils, B.S., University of Nebraska; M.S., University of Idaho; Ph.D., Cornell University.
- RALPH ERNEST COMSTOCK,
Professor of Experimental Statistics, B.S., M.S., Ph.D., University of Minnesota.
- NORVAL WHITE CONNER,
Director, Engineering Research, B.S., M.E., Virginia Polytechnic Institute; M.S., Iowa State College.
- *FREEMAN WALDO COOK,
Assistant Professor of Poultry Science, B.S., M.S., North Carolina State College.
- LEON EMORY COOK,
Professor Emeritus of Agricultural Education, B.A., B.S., Agri., M.S., Cornell University.
- WILLIAM R. COOK,
Assistant Professor of Air Science, First Lieutenant, U. S. Air Force; B.S., University of Maryland.
- HENRY CHARLES COOKE,
Assistant Professor of Mathematics, B.S., M.S., North Carolina State College.
- WILLIAM EARL COOPER,
Research Assistant Professor of Plant Pathology, B.S., Arkansas A. & M. College; M.S., Oklahoma A. & M.; Ph.D., Louisiana State University.
- RALPH LELAND COPE,
Assistant Professor of Industrial Engineering, B.S.M.E., B.S.Ind.Ed. M.Ed., Pennsylvania State College.
- WILL ALLEN COPE,
Research Instructor of Field Crops (Coop USDA), B.S., M.S., Alabama Polytechnic Institute.
- OTIS BRYANT COPELAND,
Head, Division of Agricultural Information, B.S., M.S., University of Georgia.
- HAROLD MAXWELL CORTER,
Director of Psychological Clinic and Associate Professor of Psychology, B.S. State Teachers College (Lock Haven, Pa.); M.Ed., Ph.D., Pennsylvania State College.
- ARTHUR JAMES COUTU,
Research Assistant Professor of Agricultural Economics, B.S., M.S., University of Connecticut.
- GERTRUDE MARY COX,
Director, Institute of Statistics and Professor of Experimental Statistics, B.S., M.S., Iowa State College.
- JOSEPH H. COX,
Associate Professor of Design, B.F.A., John Herron Art School; M.F.A., University of Iowa.
- DORIS LEE CRAIG,
Instructor in Soils, B.A., Winthrop College; M.A., University of North Carolina.

* On leave of absence, 1956-57.

- WINIFRED HARDISON CRANOR,
Research Associate Department of Textile Research, and Research Instructor Department of Textile Chemistry; B.S., Woman's College, University of North Carolina.
- ALBERT CRAWFORD,
Assistant Professor of Industrial and Rural Recreation, B.S., Appalachian State Teachers College; M.Ed., University of North Carolina.
- FREDERICK RUDOLPH CROWNFELD, JR.,
Instructor in Physics, A.B., Harvard College; M.S., Ph.D., Lehigh University.
- RALPH WALDO CUMMINGS,
Director of Experiment Station and Professor of Soils, B.S., North Carolina State College; Ph.D., Ohio State University.
- MELFORD RAYMOND DAMRON, JR.,
Instructor in Civil Engineering, B.C.E., North Carolina State College.
- MARJORIE DAVIDSON,
Part-time Instructor of Psychology, A.B., M.A., Alberta University.
- GEORGE E. DAVIS,
Assistant Professor of Occupational Information and Guidance, B.A., Salem College
- PHILIP HARVEY DAVIS,
Associate Professor of English, B.A., M.A., Miami University.
- LYMAN ARNOLD DEAN,
Visiting Professor of Agronomy, B.S., University of Hawaii; M.S., Ph.D., University of Wisconsin.
- RAY STYRING DEARSTYNE,
Professor of Poultry Science, B.S., University of Maryland; M.S., North Carolina State College.
- PAUL HAROLD DERR,
Head of Department and Professor of Physical Education, B.S., University of Illinois; M.A., New York University.
- ERIC BROOKS DEGROAT,
Assistant Professor of Physical Education, B.S., Springfield College; M.A., New York University.
- EMMETT URCEY DILLARD,
Research Assistant Professor of Animal Industry, B.S., Berea College; M.S., North Carolina State College; Ph.D., University of Missouri.
- RICHARD DAVID DILLENDER,
Research Assistant in Engineering Research, B.Cer.E., North Carolina State College.
- ELLIS GADSDEN DISEKER,
Research Associate Professor of Agricultural Engineering (Coop. USDA), B.S., M.S., Alabama Polytechnic Institute.
- DANIEL ROBERT DIXON,
Instructor in Economics, A.B., William and Mary; L.L.B., Duke University; L.L.M., New York University.
- CHARLES GLENN DOAK,
Professor Emeritus of Physical Education.
- JAMES RUSSELL DOGGER,
Assistant Professor of Entomology, B.S., M.S., Ph.D., University of Wisconsin.
- JESSE SEYMOUR DOOLITTLE,
Professor of Mechanical Engineering, B.S., Tufts College; M.S., Pennsylvania State College.
- PAUL NEWELL DROLSOM,
Assistant Research Professor of Plant Pathology (Coop. USDA), B.S., M.S., Ph.D., University of Wisconsin.
- VERNON BURGE DRUM,
Assistant Professor of Military Science and Tactics, Major, Signal Corps, U. S. Army.
- WARREN EMMETT DUNGAN,
Research Assistant in Engineering Research, B.Nucl.Engr., North Carolina State College.
- GEORGE HEYWARD DUNLAP,
Textile Consultant and Director of Textile Placement Bureau, B.S., Clemson College.
- G. A. EASON,
Instructor of Engineering Mechanics, B.C.E., North Carolina State College.
- PRESTON WILLIAM EDSALL,
Head of Department and Professor of History and Political Science, B.S., New York University; A.M., Ph.D., Princeton University.
- JENNINGS B. EDWARDS, JR.,
Instructor in Physical Education, B.S., North Carolina State College; M.A., University of North Carolina.
- HERBERT GARFIELD ELDRIDGE, JR.,
Instructor in English, B.A., M.A., University of Pennsylvania.
- CECIL DEAN ELLIOTT,
Assistant Professor of Architecture, B.S., B.Arch., University of Oklahoma; M.Arch., Harvard University.
- DON EDWIN ELLIS,
Head of Plant Pathology and Professor of Plant Pathology, B.Sc., B.A., Central College; M.S., Louisiana State University; Ph.D., University of North Carolina.

- MARVIN LEE ENGLISH,
Assistant Professor in Mechanical Engineering, B.S., South Dakota State College; M.S., University of Minnesota.
- JOHN LINCOLN ETCHELLS,
Professor of Animal Industry, Botany and Horticulture (Coop. USDA), B.S., M.S., Ph.D., Michigan State College.
- HAROLD J. EVANS,
Associate Professor of Botany, B.S., M.S., University of Kentucky; Ph.D., Rutgers University.
- JOHN LAWRENCE EVERS,
Associate Professor of Zoology, B.A., Ph.D., University of Texas.
- RALPH EIGIL FADUM,
Head of Department and Professor of Civil Engineering, B.S.C.E., University of Illinois; M.S.E., S.D., Harvard University.
- EMIL ATWOOD FAILS,
Assistant Professor of Economics, B.S., Southwestern Institute of Technology, Okla.; M.A., Peabody College.
- VIRGIL MORING FAIRES,
Professor of Mechanical Engineering, B.S., M.S., M.E., University of Colorado.
- A. G. FARKAS,
Instructor of Civil Engineering, B.S.C.E., Washington University, St. Louis Missouri.
- MAURICE HUGH FARRIER,
Research Assistant Professor of Entomology, B.S., M.S., Iowa State College, Ph.D., North Carolina State College.
- BARTON ROBY FARTHING,
Research Instructor in Animal Industry, B.S., Wake Forest; B.S., North Carolina State College.
- JAMES K. FERRELL,
Assistant Professor of Chemical Engineering, B.S., M.S., Ch.E., University of Missouri.
- I. FERENCZI,
Professor of Mineral Industries, Ph.D., Francis Joseph University, Kolozevar, Hungary.
- JAMES K. FERRELL,
Assistant Professor of Chemical Engineering, B.S., M.S.Ch.E., University of Missouri.
- ALVA LEROY FINKNER,
Associate Professor of Experimental Statistics (Coop. USDA), B.S., Colorado A. and M.; M.S., Kansas State College; Ph.D., North Carolina State College.
- HILBERT ADAM FISHER,
Head of Department and Professor of Mathematics, M.S., North Carolina State College; Graduate, United States Naval Academy; Graduate, United States Submarine School; LL.D., Lenoir-Rhyne College.
- JAMES WALTER FITTS,
Head of Department and Professor of Soils, B.S., Nebraska State Teachers College; M.S., University of Nebraska; Ph.D., Iowa State College.
- JACK FLEISCHER,
Assistant Professor of Experimental Statistics, B.S., University of Florida; M.S., North Carolina State College.
- HOMMER CLIFTON FOLKS,
In Charge, Soils Instruction and Assistant Professor of Soils, B.S., Oklahoma A. & M.; Ph.D., Iowa State College.
- LUKE ATELL FORREST,
Research Associate in Soils and Soil Scientist (Coop. USDA), B.S., M.S., University of Georgia.
- GARNET WOLSEY FORSTER,
Professor Emeritus of Agricultural Economics, B.S., Cornell University; M.S., Ph.D., University of Wisconsin.
- CHARLES IRVING FOSTER,
Professor of Social Studies, B.A., Princeton University; M.A. Harvard University.
- ALVIN MARCUS FOUNTAIN,
Professor of English, B.E., M.S., North Carolina State College; M.A., Columbia University; Ph.D., Peabody College.
- RAYMOND SPIVEY FOURAKER,
Professor of Electrical Engineering, B.S., A. and M. College of Texas; M.S., University of Texas.
- CLYDE BENSON FULMER,
Instructor in Physics, B.S., Berry College; M.S., Emory University.
- BENTLEY BALL FULTON,
Emeritus Professor of Entomology, B.A., Ohio State University; M.S., Chicago University; Ph.D., Iowa State College.
- MERRILL MASON GAFFNEY,
Assistant Professor of Economics, B.A., Reed College; Ph.D., University of California, Berkeley.
- JOHN BURGESS GAITHER,
Assistant Professor of Textiles, B.S., North Carolina State College.
- MONROE EVANS GARDNER,
Head of Department and Professor of Horticulture, B.S., Virginia Polytechnic Institute.

- ISADORE ANGELO GARGARO,
Assistant Professor of Military Science and Tactics, Major, Ordnance Corps, U. S. Army.
- HENRY WILBURN GARREN,
Assistant Professor of Poultry Science, A.B., University of North Carolina; B.S., North Carolina State College; M.S., Ph.D., University of Maryland.
- MARTHA JOHNSON GARREN,
Instructor in Mathematics, A.B., University of North Carolina.
- JOHN BERNARD GARTNER, JR.,
Professor of Horticulture, B.S., Ohio State University; M.S., Ph.D., Michigan State College.
- ROBERT THEODORE GAST,
Research Assistant Professor of Entomology, B.S., M.S., Ohio State University; Ph.D., Cornell University.
- WILHELM F. GAUSTER,
Professor of Electrical Engineering, B.S., M.S., Sc.D., Dr. Habil., University of Technology, Vienna.
- DAN ULRICH GERSTEL,
Associate Professor of Field Crops, B.S., M.S., Ph.D., University of California.
- EDWARD BIRGER GILBERT,
Research Associate, Department of Textile Research, and Research Assistant Professor in Textiles, B.S., M.S., North Carolina State College.
- MATTHEW JAMES GILBERT,
Instructor in Soils, B.S., University of California, M.S., North Carolina State College.
- GEORGE WALLACE GILES,
Head of Department and Professor of Agricultural Engineering, B.S., University of Nebraska; M.S., University of Missouri.
- EDWARD WALKER GLAZENER,
Head of Department and Professor of Poultry Science, B.S., North Carolina State College; M.S., Ph.D., University of Maryland.
- KARL BROWNING GLENN,
Associate Professor of Electrical Engineering, B.E., M.S., North Carolina State College.
- ALFRED JOHN GOETZE,
Assistant Professor of Electrical Engineering, B.S., in E.E., Drexel Institute of Technology; M.Sc., North Carolina State College.
- EUGENE FRIZELLE GOLDSTON,
Assistant Professor of Soils, B.S., North Carolina State College.
- LEMUEL GOODE,
Assistant Professor of Animal Industry, B.S., M.S., West Virginia University.
- JAMES WYCHE GREEN,
Assistant Professor of Rural Sociology, B.S., M.S., Virginia Polytechnic Institute; Ph.D., University of North Carolina.
- RALPH BEAMON GREENE,
Head Mechanic, Department of Agricultural Engineering.
- JOHN HAYES GREGORY,
Instructor of Animal Industry, B.S., North Carolina State College.
- WALTON CARLYLE GREGORY,
Professor of Field Crops, B.A., Lynchburg College; M.S., Ph.D., University of Virginia.
- CLAUDE DELBERT GRINNELS,
Professor of Animal Industry, B.S., M.S., University of Minnesota, D.V.M., Cornell University.
- DANIEL SWARTWOOD GROSCH,
Associate Professor of Genetics, B.S., Moravian College; M.S., Lehigh University; Ph.D., University of Pennsylvania.
- ELLIOTT BROWN GROVER,
Head of Department of Yarn Manufacturing, School of Textiles, and Abel C. Linberger Professor of Yarn Processing, B.S., Massachusetts Institute of Technology.
- MARTIN CHANDLER GROWALD,
Instructor in Architecture, B.S., in Architecture, University of Virginia; M.Arch., Harvard University.
- GEORGE ALBERT GULLETTE,
Head of Department and Professor of Social Studies, B.A., Harvard College; M.A., Vanderbilt University; Ph.D., University of Michigan.
- ROY GUSSOW,
Associate Professor of Design, B.S., Product Design, Institute of Design.
- FRANK EDWIN GUTHRIE,
Assistant Research Professor of Entomology, B.S., University of Kentucky; M.S. and Ph.D., University of Illinois.
- FRANK ARLING HAASIS,
Research Professor of Plant Pathology, B.S., University of California; Ph.D., Cornell University.
- W. C. HACKLER,
Associate Professor of Mineral Industries, B.Cer.E., M.S., Cer.E., Virginia Polytechnic Institute; Ph.D., North Carolina State College.

- ROBERT JOHN HADER,
Associate Professor of Experimental Statistics, B.S., University of Chicago; Ph.D., North Carolina State College.
- FREDERICK MORGAN HAIG,
Professor of Animal Industry, B.S., University of Maryland; M.S., North Carolina State College.
- NATHAN SCOTT HALL,
Professor of Soils, B.S., Rhode Island State College; M.A., University of Missouri; Ph.D., University of North Carolina.
- RUTH BADGER HALL,
Assistant Professor of Modern Languages, B.A., Oberlin College; M.A., University of North Carolina.
- *ERNEST MILTON HALLIDAY,
Associate Professor of Social Studies, B.S., M.A., Ph.D., University of Michigan.
- DAME SCOTT HAMBY,
Associate Professor of Textiles, B.S., Alabama Polytechnic Institute.
- CHARLES HORACE HAMILTON,
Head of Department and Professor of Rural Sociology, B.A., Southern Methodist University; M.S., Texas A. & M. College; Ph.D., University of North Carolina.
- CLARENCE H. HANSON,
Research Associate Professor of Field Crops (Coop. USDA), B.S., University of Minnesota; M.A., University of Missouri; Ph.D., North Carolina State College.
- KARL P. HANSON,
Head of Department and Professor of Mechanical Engineering, B.S., University of Wisconsin; M.S., University of Michigan.
- JOSEPH EARLTON HARDEE,
Instructor in Engineering Mechanics, B.C.E., North Carolina State College.
- REINARD HARKEMA,
Professor of Zoology, A.B., Calvin College; Ph.D., Duke University.
- SADIE JENKINS HARMON,
Visiting Professor of English, A.B., B.M., Greensboro College; M.A., Ph.D., University of North Carolina.
- CLEON WALLACE HARRELL,
Associate Professor of Economics, B.A., M.A., University of Virginia.
- ANNA MAE HARRIS,
Assistant Professor of Mathematics, B.S., Mary Washington College; M.A., University of Virginia.
- DONALD GIBSON HARRIS,
Instructor in Soils, B.S., University of Vermont; M.S., North Carolina State College.
- MARY ELLEN HARRIS,
Research Instructor, Institute of Statistics, A.B., Guilford College; M.S., North Carolina State College.
- EDGAR LEE HARRISBERGER,
Assistant Professor of Mechanical Engineering, B.S.M.E., University of Oklahoma; M.S.M.E., University of Colorado.
- CLARENCE A. HART,
Assistant Professor of Wood Technology, B.S., Virginia Polytechnic Institute; M.S., North Carolina State College.
- JOHN REGINALD HART,
Research Assistant in Engineering Research, B.Cer.E., North Carolina State College.
- WILBUR HAYDEN HART,
Instructor of Industrial Engineering.
- LODWICK CHARLES HARTLEY,
Head of Department and Professor of English, B.A., Furman University; M.A., Columbia University; Ph.D., Princeton University; Litt. D., Furman University.
- PAUL H. HARVEY,
Head of Department and William Neal Reynolds Distinguished Professor of Field Crops, B.S., University of Nebraska; Ph.D., Iowa State College.
- MOYLE E. HARWARD,
Research Assistant Professor of Agronomy, B.S., Brigham Young University; M.S., University of Massachusetts; Ph.D., North Carolina State College.
- FRANCIS JEFFERSON HASSLER,
Associate Professor of Agricultural Engineering, B.S., University of Missouri; M.S., Ph.D., Michigan State College.
- WILLIAM WALTON HASSLER,
Assistant Professor in Zoology, B.S., M.S., Cornell University; Ph.D., University of Tennessee.
- ROBERT OLIVER HATFIELD,
Assistant Professor of Psychology, A.B., M.A., University of California.
- ARTHUR COURTNEY HAYES,
Associate Professor of Textile Chemistry, Ph.B., Brown University; M.S., North Carolina State College.
- M. JOYCE HAYES,
Part-time Instructor of Psychology, A.B., University of South Carolina; M.A., University of South Carolina; M.A., Ohio State University.

* On leave of absence, 1955-56.

- FRANK LLOYD HAYNES, JR.,**
Associate Professor of Horticulture, B.S., Alabama Polytechnic Institute; Ph.D., Cornell University.
- NED SPRUNT HAYS,**
Assistant Professor of Air Science, Major, U. S. Air Force, B.S., Presbyterian College.
- TEDDY THEODORE HEBERT,**
Associate Professor of Plant Pathology, B.S., Southwestern Louisiana Institute; M.S., Louisiana State University; Ph.D., North Carolina State College.
- OLIVER P. HEDGEPEETH,**
Assistant Professor of Air Science, First Lieutenant, U. S. Air Force; B.S., East Carolina College.
- ROBERT RAYMOND HENTZ,**
Assistant Professor of Chemistry, B.S., University of Chicago; Ph.D., University of Notre Dame.
- C. ADDISON HICKMAN,**
Dean of the School of General Studies and Professor of Economics, B.A., M.A., Ph.D., State University of Iowa.
- WILLIAM NORWOOD HICKS,**
Head of Department and Professor of Philosophy and Religion, B.E., M.S., North Carolina State College; B.A., Duke University; M.A., Oberlin College.
- CHARLES HORACE HILL,**
Associate Professor of Poultry Science, B.S., Colorado A. & M. College; M.S., Ph.D., Cornell University.
- ROBERT ELLIS HILLER,**
Research Assistant in Engineering Research, B.S., Clemson College; M.S., North Carolina State College.
- THOMAS IRA HINES,**
Head of Department and Professor of Industrial and Rural Recreation, B.S., North Carolina State College; M.A., University of North Carolina.
- LAWRENCE EARLE HINKLE,**
Professor of Modern Languages, B.A., University of Colorado; M.A., Columbia University; D.S. es L., Dijon University.
- ROBERT G. HITCHINGS,**
Assistant Professor of Pulp and Paper Technology, B.S., New York State College of Forestry.
- GEORGE BURNHAM HOADLEY,**
Head of Department and Professor of Electrical Engineering, B.S., Swarthmore College; M.Sc., D.Sc., Massachusetts Institute of Technology.
- ARTHUR MABON HOCH,**
Instructor in Physical Education, B.S., Wake Forest College; M.Ed., University of North Carolina.
- ELMER GEORGE HOFER,**
Professor Emeritus of Mechanical Engineering, B.S., M.E., University of Wisconsin.
- JULIUS VALENTINE HOFMANN,**
Director Emeritus of the Division of Forestry, B.S.F., M.F., Ph.D., University of Minnesota.
- ABRAHAM HOLTZMAN,**
Assistant Professor of History and Political Science, B.S., M.A., University of California at Los Angeles; M.A., Ph.D., Harvard University.
- HENRY ALFRED HOMME,**
Associate Professor of Agricultural Economics, B.A., Augustana College; M.A., Michigan State College.
- DANIEL GOODMAN HORVITZ,**
Associate Professor of Experimental Statistics, B.S., Massachusetts State College; Ph.D., Iowa State College.
- IVAN HOSTETLER,**
Head of Department and Professor of Industrial Arts, B.A., Bluffton College; M.A., Ohio State University; Ed.D., University of Missouri.
- EZRA LEWIS HOWELL,**
Assistant Professor of Agricultural Engineering, B.S., M.S., North Carolina State College.
- ARVEL HUNTER,**
Instructor in Soils, B.S., Brigham Young University; M.S., Ohio State College.
- THOMAS BARKSDALE HUTCHESON, JR.,**
Research Instructor in Agronomy, B.S., Virginia Polytechnic Institute; M.S., North Carolina State College.
- WILLIAM PRENTISS INGRAM, JR.,**
Assistant Professor of Chemistry, B.S., M.S., North Carolina State College.
- ROGER WILLIAMS JACKLE,**
Research Associate, Department of Textile Research, and Research Instructor in Textiles; B.S., North Carolina State College.
- WILLIAM ADDISON JACKSON,**
Research Instructor in Soils, B.S., Cornell University; M.S., Purdue University.
- GERALD BLAINE JAMES,**
Assistant Professor of Agricultural Education, B.S., M.S., North Carolina State College; Ed.D., University of Illinois.

- HERMAN BROOKS JAMES,
Head of Department and Professor of Agricultural Economics, B.S., M.S., North Carolina State College; Ph.D., Duke University.
- JOHN MITCHELL JENKINS, JR.
Professor of Horticulture, B.S., Clemson Agricultural College; M.S., Louisiana State University; Ph.D., University of Minnesota.
- CHARLES WARREN JENNINGS,
Associate Professor of Chemistry, B.S., University of Toledo; M.S., University of California; Ph.D., Duke University.
- ELMER HUBERT JOHNSON,
Associate Professor of Sociology, B.A., M.A., Ph.D., University of Wisconsin.
- E. SIGURD JOHNSON,
Professor of Furniture Manufacturing and Management, B.S., Syracuse University; M.F., Duke University.
- JOSEPH CLYDE JOHNSON,
Assistant Professor of Psychology, B.S., State Teachers College (Troy, Ala.); M.A., Ed.D., Peabody College.
- GEORGE DENVER JONES,
Extension Professor of Entomology, B.S., and M.A., University of Missouri.
- GUY LANGSTON, JONES,
Assistant Professor of Field Crops, B.S., M.S., North Carolina State College, Ph.D., University of Minnesota.
- IVAN DUNLAVY JONES,
Professor of Horticulture, A.B., Nebraska Wesleyan University; Ph.D., University of Minnesota.
- EDGAR WILLIAMSON JORDAN,
Instructor in Physical Education, B.A., University of Richmond; M.Ed., University of North Carolina.
- WALTER EDWARD JORDAN,
Associate Professor of Chemistry, B.S., M.A., Wake Forest College; M.S., North Carolina State College.
- CHARLES HOWARD KAHN,
Instructor in Civil Engineering, A.B., Math., University of North Carolina; B.C.E., North Carolina State College; M.S. Struc., Massachusetts Institute of Technology.
- HENRY LEVEKE KAMPHOEFFNER,
Dean of School of Design, B.S., Arch., University of Illinois; M.S., Arch., Columbia University.
- EUGENE JOHN KAMPRATH,
Assistant Professor of Soils, B.S., M.S., University of Nebraska, Ph.D., North Carolina State College.
- DWIGHT LEROY KASTER,
Instructor in Soils, B.S. Agri., University of Nebraska.
- HAROLD KEATING,
Assistant Professor of Physical Education, B.S., M.Ed., Springfield College.
- CHARLES RAY KELLEY,
Assistant Professor of Psychology, B.A., University of Hawaii; M.A., Ohio State University.
- JOSEPH WHEELER KELLEY,
Associate Professor of Poultry Science, B.S., M.S., North Carolina State College; Ph.D., Iowa State College.
- ARTHUR KELMAN,
Assistant Professor of Plant Pathology, B.S., Rhode Island State College; M.S., Ph.D., North Carolina State College.
- JOHN FAWCETT KENFIELD,
Assistant Professor of Physical Education, B.A., M.A., University of North Carolina.
- HENDERSON GRADY KINCHELOE,
Associate Professor of English, B.A., University of Richmond; M.A., Harvard University; Ph.D., Duke University.
- RICHARD ADAMS KING,
Associate Professor of Agricultural Economics, B.S., University of Connecticut; M.S., University of California; M.P.A., Ph.D., Harvard University.
- ROSA DEANS KIRBY,
Research Associate, Department of Textile Research and Research Instructor, Department of Textile Chemistry, B.S., Meredith College.
- JAMES BRYANT KIRKLAND,
Dean of School of Education and Professor of Agricultural Education, B.S. Agri., M.S., University of Tennessee; Ph.D., Ohio State University.
- JAMES WARNER KLIBBE,
Assistant Professor of Textiles, B.S., North Carolina State College.
- GLENN CHARLES KLINGMAN,
Professor of Field Crops, B.S., University of Nebraska; M.S., Kansas State College; Ph.D., Rutgers University.
- RICHARD BENNETT KNIGHT,
Professor of Mechanical Engineering, B.S., University of Maryland; M.S., University of Illinois.
- ALBERT SIDNEY KNOWLES, JR.,
Instructor in English, B.A., M.A., University of Virginia.

- CHARLES FREDERICK KOLB,**
Assistant Professor of History and Political Science, B.A., Drury College; M.A., University of Kentucky.
- BENJAMIN GRANADE KOONCE, JR.,**
Instructor in English, A.B., M.A., University of North Carolina.
- WILLIAM WURTH KRIEDEL,**
Professor of Ceramic Engineering, B.S.C.E., B.S.Cer.E., University of Washington; M.S., Montana School of Mines; Dr. Ing., Technische Hochschule, Hanover.
- WALTER MICHAEL KULASH,**
Associate Professor of Entomology, B.S., M.S., Ph.D., Massachusetts State College.
- LINCOLN FILENE LADD,**
Instructor in English, A.B., Brown University; M.A., University of Virginia.
- ARTHUR IRISH LADU,**
Professor of English, B.A., Syracuse University; M.A., Ph.D., University of North Carolina.
- CLAUDE MILTON LAMBE,**
Assistant Professor of Civil Engineering, B.S., North Carolina State College.
- JOHN RALPH LAMBERT, JR.,**
Associate Professor of Social Studies, A.B., Western Maryland College; M.A., Ph.D., Princeton University.
- JOHN HAROLD LAMPE,**
Dean of the School of Engineering and Professor of Electrical Engineering, B.S., M.S., Dr.Eng., Johns Hopkins University.
- FORREST WESLEY LANCASTER,**
Professor of Physics, B.S.Ch.E., M.S., Purdue University; Ph.D., Duke University.
- JAMES GIACOMO LECCE,**
Assistant Professor of Animal Industry, B.A., Dartmouth College; M.S., Pennsylvania State College; Ph.D., University of Pennsylvania.
- THOMAS BENSON LEDBETTER,**
Assistant Professor in Mechanical Engineering, B.M.E., M.S., North Carolina State College.
- JOHN FRANCIS LEE,**
Professor of Mechanical Engineering, B.S., The Citadel; M.S., Harvard University.
- WILLIAM DANIEL LEE,**
Associate Professor of Soils, B.S., North Carolina State College.
- JAMES EDWARD LEGATES,**
Acting Head of Dairy Husbandry Section and William Neal Reynolds Distinguished Professor of Field Crops and Professor of Animal Industry, B.S., University of Delaware; M.S., Ph.D., Iowa State College.
- SAMUEL GEORGE LEHMAN,**
Emeritus Professor of Plant Pathology, B.S., Ohio University; MS., North Carolina State College; Ph.D., Washington University.
- SARAH McCULLOH LEMMON,**
Lecturer in History and Political Science, B.A., Madison College; M.A., Columbia University; Ph. D., University of North Carolina.
- PAUL BONAR LEONARD,**
Assistant Professor of Mechanical Engineering, B.S., Ohio State University; M.A., University of North Carolina.
- WILLIAM RUSSELL LEONHARDT,**
Instructor in Physical Education, B.S., Springfield College, M.S., University of Illinois.
- JACK LEVINE,**
Professor of Mathematics, B.A., University of California; Ph.D., Princeton University.
- CHARLES FREDERICK LEWIS,**
Assistant Professor of Mathematics, B.S., Tennessee State College; M.A., Peabody College.
- JOHN GARY LEWIS,**
Associate Professor of Textiles, B.S., M.S., North Carolina State College.
- MALCOLM LEWIS,**
Instructor in Mechanical Engineering, B.S., Massachusetts Institute of Technology.
- PAUL E. LEWIS,**
Associate Professor of Mathematics, B.S., Northeastern Oklahoma State College; M.S., Oklahoma A. & M., Ph.D., University of Illinois.
- QUENTON McALPINE LEWIS,**
Assistant Professor of Air Science, Captain, U. S. Air Force, B.S., North Carolina State College.
- RICHARD CHARLES LEWONTIN,**
Assistant Professor of Genetics, B.A., Harvard University; M.S., Ph.D., Columbia University.
- CLARENCE EARL LIBBY,**
Reuben B. Robertson Professor of Pulp and Paper Technology, B.S., Ch.E., University of Maine.

- QUENTIN WILLIAM LINDSEY,
Research Associate Professor of Agricultural Economics, B.S., M.A., University of Nebraska.
- CHARLES HOWIE LITTLE, JR.,
Assistant Professor of Mathematics, B.A., Davidson College; M.A., University of North Carolina.
- JAMES HENRY LITTLE, IV,
Instructor in Physical Education, B.E., Central Michigan College.
- ROBERT WARREN LLEWELLYN,
Assistant Professor of Industrial Engineering, B.S.E.E., Union College; M.S.I.E., Purdue University.
- RICHARD HENRY LOEPPERT,
Associate Professor of Chemistry, B.S., Northwestern University; Ph.D., University of Minnesota.
- LEONARD WOOD LONG,
Associate Professor of Engineering Mechanics, B.E.E., M.S.E.E., North Carolina State College.
- WREAL LESTER LOTT,
Professor of Chemistry, A.B., Brigham Young University; Ph.D., Cornell University.
- RAY LEE LOVVORN,
Acting Director of Research for the School of Agriculture and Professor of Field Crops, B.S., Alabama Polytechnic Institute; M.S., University of Missouri; Ph.D., University of Wisconsin.
- SHELDON GAYLON LOWRY,
Assistant Professor of Rural Sociology, A.B., Brigham Young University; M.S., Ph.D., Michigan State College.
- GEORGE BLANCHARD LUCAS,
Associate Professor of Plant Pathology, B.S., Pennsylvania State College; M.S., Ph.D., Louisiana State University.
- HENRY LAWRENCE LUCAS, JR.,
Professor of Experimental Statistics, B.S., University of California; Ph.D., Cornell University.
- ARTHUR EDWARD LUCIER,
Research Assistant in Engineering Research, B.Cer.E., M.S., North Carolina State College.
- JOSEPH GIDEON LUNDHOLM,
Research Associate in Physics, B.S., M.S., Kansas State College.
- JAMES FULTON LUTZ,
Professor of Soils, B.S., North Carolina State College; M.A., Ph.D., University of Missouri.
- JOSEPH THOMAS LYNN,
Assistant Professor of Physics, B.A., Vanderbilt University; M.S., Ohio State University.
- JAMES BROOKS LYON,
Assistant Professor of Military Science and Tactics, Major, Quartermaster Corps, U. S. Army, B.S., Cornell; Command and General Staff College.
- JAMES A. LYONS,
Associate Professor of Economics, B.S., Cornell University; LL.B., Vanderbilt University; M.A., Ph.D., State University of Iowa.
- ROBERT ALLEN McALLISTER,
Assistant Professor of Chemical Engineering, B.Ch.E., North Carolina State College; M.S., University of Wisconsin; S.M., Massachusetts Institute of Technology; Ph.D., Georgia Institute of Technology.
- STANLEY BERT McCALEB,
Associate Professor of Soils, B.S., University of California; M.S., Ph.D., Cornell University.
- CHARLES BERNARD McCANTS,
Assistant Professor of Soils, B.S., M.S., North Carolina State College; Ph.D., Iowa State College.
- ANDREW COLIN McCLUNG,
Research Associate Professor of Soil, B.S., West Virginia University; M.S., Ph.D., Cornell University.
- CLARENCE LESLIE McCOMBS,
Instructor in Horticulture, B.S., M.S., Ohio State University.
- JOSEPH ANDREW McCULLOCH,
Assistant Professor of Military Science and Tactics, Lieutenant Colonel, Infantry, U. S. Army, B.S., U. S. Military Academy.
- CHARLES RUSSELL McCULLOUGH,
Associate Professor of Civil Engineering, B.S.C.E., M.S.C.E., Purdue University.
- HILLIARD BUNNY McCULLOUGH,
Assistant Professor of Air Science, Major, U. S. Air Force, B.A., Oglethorpe University.

- WILLIAM McGEHEE,
Visiting Professor of Psychology, B.S., University of the South; M.A., Ph.D., Peabody College.
- ALAN BRIDGEMAN MacINTYRE,
Research Associate in Engineering Research, B.S.E.E., North Carolina State College.
- ANGUS KEITH FERGUSON McKEAN,
Professor of Social Studies, B.A., Williams College; M.A., University of Chicago; Ph.D., University of Michigan.
- MURPHY GRADY McKENZIE,
Research Instructor in Agronomy, B.S., North Carolina State College.
- FOIL WILLIAM McLAUGHLIN,
Research Assistant Professor of Agronomy, B.S., M.S., North Carolina State College.
- HARRY KING McMILLAN,
Instructor in Mechanical Engineering, B.S.M.E., University of South Carolina.
- JOHN JOSEPH McNEILL,
Assistant Professor of Animal Industry, B.S., M.S., Ph.D., University of Maryland.
- WOODROW WILSON McPHERSON,
Professor of Agricultural Economics, B.S., North Carolina State College; M.S., Louisiana State University; Ph.D., Harvard University.
- GUY PORCHER McSWEENEY,
Assistant Professor of Air Science, Captain, U. S. Air Force, B.A., The Citadel.
- T. EWALD MAKI,
Carl Alvin Schenck Distinguished Professor of Forest Management, B.S., M.S., Ph.D., University of Minnesota.
- GRAHAM DENT MANGUM, JR.,
Manager, Processing Research Division, Department of Textile Research and Research Instructor in Textiles; B.S., North Carolina State College.
- CARROLL LAMB MANN,
Professor Emeritus of Civil Engineering, B.S., C.E., North Carolina State College.
- CARROLL LAMB MANN, JR.,
Professor of Civil Engineering, B.S.C.E., North Carolina State College; C.E., Princeton University.
- THURSTON JEFFERSON MANN,
Professor of Field Crops, B.S., M.S., North Carolina State College; Ph.D., Cornell University.
- EDWARD GEORGE MANNING,
Assistant Professor of Electrical Engineering, B.S.E.E., Leigh University; M.S., North Carolina State College.
- OLEN FRANKLIN MARKS,
Research Associate, Department of Textile Research and Research Associate Professor in Textiles Lowell Textile Institute.
- ARTHUR ROSS MARSHALL,
Instructor in Mathematics, A.B., Mississippi College; A.M., Columbia University.
- ROGER POWELL MARSHALL,
Professor of English, B.A., Wake Forest College; M.A., Columbia University; M.S., North Carolina State College.
- GRADY ALLEN MARTIN,
Instructor in Poultry Science, B.S., M.S., North Carolina State College.
- LEE ROY MARTIN,
Associate Professor of Agricultural Economics, B.A., University of Arkansas; A.M., Ph.D., Harvard University.
- THOMAS JACKSON MARTIN, JR.,
Assistant Professor of Mechanical Engineering, B.E., M.S., North Carolina State College.
- THOMAS ANTON MARTINSEK,
Instructor in Economics, B.A., Western Reserve University; M.A., Ohio State University.
- DAVID DICKENSON MASON,
Professor of Experimental Statistics, B.A., King College; M.S., Virginia Polytechnic Institute; Ph.D., North Carolina State College.
- GENNARD MATRONE,
Professor of Animal Industry, B.S., M.S., Cornell University; Ph.D., North Carolina State College.
- GEORGE MATSUMOTO,
Associate Professor of Architecture, B.A., Washington University, St. Louis; M.A., Cranbrook Academy of Art, Michigan.
- JACKSON RAMSAUR MAUNEY,
Research Assistant Professor of Field Crops (Coop. USDA), B.S., Iowa State College; M.S., Ph.D., University of Wisconsin.
- SELZ CABOT MAYO,
Professor of Rural Sociology, A.B., Atlantic Christian College; M.S., North Carolina State College; Ph.D., University of North Carolina.
- JEFFERSON SULLIVAN MEARES,
Professor of Physics, B.S., University of South Carolina; M.S., North Carolina State College.
- ADOLPH MEHLICH,
Associate Professor of Soils, B.S., M.S., Ph.D., University of Wisconsin.

- ARTHUR CLAYTON MENIUS, JR.,
Professor of Physics, B.A., Catawba College; Ph.D., University of North Carolina.
- RICHARD RALPH MIDDLEBROOKS,
Professor of Military Science and Tactics, Colonel, Infantry, U. S. Army; B.S., U. S. Military Academy, Command and General Staff College, Armed Forces Staff College, Industrial College of the Armed Forces.
- GEORGE WASHINGTON MIDDLETON,
Assistant Professor of Engineering Mechanics, B.S., M.E.Math., North Carolina State College.
- GORDON KENNEDY MIDDLETON,
Professor of Field Crops, B.S., North Carolina State College; M.S., Ph.D., Cornell University.
- HENRY MOORE MIDDLETON, JR.,
Assistant Professor of Textiles, B.S., North Carolina State College.
- JOSEPH LEONARD MIDDLETON,
Associate Professor of Philosophy and Religion, B.A., Wake Forest College, B.D., Crozer Theological Seminary; M.A., Columbia University.
- EDWIN LAWRENCE MILLER, JR.,
Associate Professor of Mineral Industries, B.S., E.M., Missouri School of Mines and Metallurgy, M.S., North Carolina State College.
- EILIF V. MILLER,
Associate Professor of Agronomy, B.A., Carleton College; M.S., University of Minnesota; Ph.D., Cornell University.
- JOHN FLETCHER MILLER,
Special Lecturer in Physical Education, B.Pd., Central Missouri Teachers' College; B.P.E., Springfield College.
- LATHAM L. MILLER,
Associate Professor of Industrial and Rural Recreation, B.A., Wake Forest College; M.A., University of North Carolina.
- PHILIP ARTHUR MILLER,
Research Associate Professor of Field Crops (Coop. USDA), B.S., M.S., University of Nebraska; Ph.D., Iowa State College.
- WILLIAM DYKSTRA MILLER,
Associate Professor of Silviculture, B.A., Reed College; M.F., Ph.D., Yale University.
- CHARLES RUDOLPH MILTON,
Instructor in Psychology, A.B., University of North Carolina; M.S., North Carolina State College.
- BASIL ILLARION MISHTOWT,
Assistant Professor of Military Science and Tactics, Lieutenant Colonel, Infantry, U. S. Army, B.S., University of Maryland, Command and General Staff College.
- WALTER JOSEPH MISTRIC, JR.,
Research Assistant Professor of Entomology, B.S., Louisiana State University; M.S., Ph.D., A. & M. College of Texas.
- ADOLPHUS MITCHELL,
Professor of Engineering Mechanics, B.S.C.E., M.S.C.E., University of North Carolina.
- THEODORE BERTIS MITCHELL,
Professor of Entomology, B.S., Massachusetts State College; M.S., North Carolina State College; D.S., Harvard University.
- RICHARD DOUGLAS MOCHRIE,
Instructor in Animal Industry, B.S., M.S., University of Connecticut.
- REUBEN O. MOEN,
Professor of Economics, B.A., M.A., Ph.D., State University of Iowa.
- R. B. MOFFITT,
Instructor in Mineral Industries. B.Geol.E., North Carolina State College.
- ROBERT JAMES MONROE,
Professor of Experimental Statistics, B.S., Iowa State College; Ph.D., North Carolina State College.
- WILLIS ELVIS MOODY, JR.,
Instructor in Ceramic Engineering, B.Cer.E., M.S., North Carolina State College.
- ERMER LEON MOORE,
Research Assistant Professor of Plant Pathology (Coop. USDA), B.S.A., M.S., University of Georgia; Ph.D., University of Wisconsin.
- FRANK HARPER MOORE,
Instructor in English, A.B., University of Florida; M.A., Ph.D., University of North Carolina.
- JAMES LEGRAND MOORE,
Research Assistant Professor of Animal Industry, B.S.Ch., Hampden-Sydney College; B.S., M.S., North Carolina State College.
- ROBERT PARKER MOORE,
Research Professor of Field Crops, B.S., Oklahoma A. & M. College; M.S., Iowa State College; Ph.D., Ohio State University.

PERRY EARL MOOSE,
Associate Professor of Mechanical Engineering, B.S., North Carolina State College; M.S., Purdue University.

DONALD EDWIN MORELAND,
Research Assistant Professor of Field Crops (Coop. USDA), B.S., M.S., Ph.D., North Carolina State College.

JOHN WESLEY MORGAN,
Instructor in Chemistry, A.B., M.A., Duke University.

EMMETT BROWN MORROW,
Associate Professor of Horticulture, B.S., North Carolina State College; M.S., University of California.

WILLIAM EDWIN MOSER,
Associate Professor of Textiles, B.S., North Carolina State College.

CARL CALVIN MOSES,
Part-time Instructor, History and Political Science, B.A., College of William and Mary; M.A., University of North Carolina.

HAROLD MOTT,
Instructor in Electrical Engineering, B.Sc., M.Sc., North Carolina State College.

CAREY GARDNER MUMFORD,
Professor of Mathematics, B.A., Wake Forest College; M.A., Ph.D., Duke University.

W. RAY MURLEY,
Associate Professor of Animal Industry, B.S., M.S., Ph.D., Iowa State College.

FRANK J. MURRAY,
Instructor in Physical Education, A.B., M.A., University of North Carolina.

RAYMOND LEROY MURRAY,
Professor of Physics, B.S., M.A., University of Nebraska; Ph.D., University of Tennessee.

RICHARD MONIER MYERS,
Instructor in Animal Industry, B.S., M.S., Pennsylvania State College.

HOWARD M. NAHIKIAN,
Professor of Mathematics, B.A., M.A., Ph.D., University of North Carolina.

THOMAS LEWIS NASH,
Instructor in Mechanical Engineering, B.S., U. S. Naval Academy.

J. A. NATTRESS,
Assistant Professor of Industrial Engineering, B.S., M.S., Georgia Institute of Technology.

NELSON LEONARD NEMEROW,
Associate Professor of Civil Engineering, B.S.Ch.E., Syracuse University; M.S., Ph.D., Rutgers University.

WILLIAM ANDREWS NEWELL,
Research Coordinator, School of Textiles, and Professor of Textiles, B.S., North Carolina State College.

LOWELL WENDELL NIELSON,
Professor of Plant Pathology, B.S., M.S., Utah State Agricultural College; Ph.D., Cornell University.

STUART MCGUIRE NOBLIN,
Associate Professor of History and Political Science, A.B., Davidson College; A.M., Ph.D., University of North Carolina.

ARNOLD NOLSTAD,
Assistant Professor of Mathematics, B.A., Duthier College; M.A., Ph.D., University of Pittsburgh.

VICTOR LOUIS NUNENKAMP,
Assistant Professor of Air Science, Captain, U. S. Air Force, B.F., Oregon State College.

CHARLES JOSEPH NUSBAUM,
Professor and William Neal Reynolds Distinguished Professor of Plant Pathology, B.S., Oregon State College; M.S., Ph.D., University of Wisconsin.

FELIX ALEXANDER NYLUND,
Research Associate Professor of Agricultural Education, B.S., M.S., University of Minnesota; Ph.D., Cornell University.

GEORGE MOTLEY OLIVER,
Instructor in Chemistry, A.B., M.S., University of North Carolina.

BERNARD MARTIN OLSEN,
Assistant Professor of Economics, A.B., M.A., Ph.D., University of Chicago.

JAMES REGINALD OSBORN,
Assistant Professor of Air Science, 1st Lieutenant, U. S. Air Force; B.A., University of Maryland.

JOHN CLARK OSBORNE,
Head, Veterinary Section and Professor of Animal Industry, B.S., Virginia Polytechnic Institute; M.S., University of Maine; D.V.M., Michigan State College.

EDWIN HUGH PAGET,
Associate Professor of English, B.L., Northwestern; M.A., University of Pittsburgh.

JAMES EDWIN PARDUE,
Assistant Professor of Textiles, B.S., North Carolina State College.

HUBERT VERN PARK,
Professor of Mathematics, B.A., Lenoir-Rhyne College; M.A., Ph.D., University of North Carolina.

- BLAINE FRANK PARKER,
Assistant Professor of Agricultural Engineering, B.S.M.S., Virginia Polytechnic Institute; Ph.D., Michigan State College.
- JAMES SCOTT PARKER,
Assistant Professor of Textiles, B.S., North Carolina State College.
- JOHN MASON PARKER, III,
Professor of Geology, B.A., A.M., Ph.D., Cornell University.
- MATTIE ERMA PARKER,
Part-time Instructor of History and Political Science, B. A., Woman's College of University of North Carolina; M.A., University of North Carolina.
- CARLOTTA PETERSON PATTON,
Instructor in Mathematics, B.S., College of Charleston.
- JEHU DEWITT PAULSON,
Professor of Drawing, B.F.A., Yale University.
- ROBERT JAMES PEARSALL,
Assistant Professor of Electrical Engineering, B.E., North Carolina State College.
- LEE HOMER PERSON,
Associate Research Professor of Plant Pathology (Coop. USDA), B.S., Mississippi A. and M.; M.S., Ph.D., University of Minnesota.
- DANIEL MCLEOD PETERSON,
Assistant Professor of Mathematics, B.A., University of Mississippi; M.A., Duke University.
- WALTER JOHN PETERSON,
Head of Department of Chemistry and William Neal Reynolds Distinguished Professor of Agricultural Chemistry, B.S., M.S., Michigan State College; Ph.D., State University of Iowa.
- HOWARD ALDRIDGE PETREA,
Assistant Professor in Mathematics, B.S., Guilford College; M.A., University of North Carolina.
- LYLE LLEWELLYN PHILLIPS,
Assistant Professor of Field Crops, B.A., Redlands University; M.A., Claremont College; Ph.D., University of Washington.
- WALTER HENRY PIERCE,
Associate Professor of Agricultural Economics, B.S., North Carolina State College; M.S., Ph.D., University of Minnesota.
- FREDERICK PHILIPS PIKE,
Professor of Chemical Engineering, B.S.Ch.E., University of Virginia; S.M., Massachusetts Institute of Technology; Ph.D., University of Minnesota.
- VALENTIN ADOLF PIKNER,
Assistant Professor of Economics, Dipl-Kaufm., Ph.D., University of Frankfurt.
- JAMES RODNEY PILAND,
Associate Professor of Soils, B.S., Wake Forest College; M.S., North Carolina State College.
- ROBERT MCLEAN PINKERTON,
Professor of Aeronautical Engineering, B.S., Bradley University.
- CHARLES ANDREWS PLANK,
Instructor in Chemical Engineering, B.Ch.E., M.S., North Carolina State College.
- JOHN PATE POINTER,
Instructor in Soils, B.S., Tennessee Polytechnic Institute; M.S., North Carolina State College.
- GEORGE WAVERLY POLAND,
Head of Department and Professor of Modern Languages, B.A., College of William and Mary; M.A., Brown University; Diploma, Universidad de Salamanca; Ph.D., University of North Carolina.
- DANIEL TOWNSEND POPE,
Associate Professor of Horticulture, B.S., Clemson College; M.S., Louisiana State University; Ph.D., Cornell University.
- JOSEPH ALEXANDER PORTER, JR.,
Associate Professor of Textiles, B.S., M.S., North Carolina State College.
- JOHN WILLIAM POU,
Head of Department and Professor of Animal Industry, B.S., North Carolina State College; M.S., University of Wisconsin; Ph.D., Cornell University.
- RICHARD JOSEPH PRESTON,
Professor of Forestry and Dean of the School of Forestry, B.A., M.S.F., Ph.D., University of Michigan.
- GEORGE FOSTER PROVOST,
Instructor in English, B.S., Louisiana State University; M.A., University of Oregon; Ph.D., University of Louisiana.
- HOYLE BROOKS PUCKETT,
Agent (Agricultural Engineer), USDA, B.S., University of Georgia; M.S., Michigan State College.
- THOMAS LAVELLE QUAY,
Associate Professor of Zoology, B.S., University of Arkansas; M.S., Ph.D., North Carolina State College.

- ROBERT LAMAR RABB,
Research Assistant Professor of Entomology, B.S., M.S., Ph.D., North Carolina State College.
- GLENN ORVIE RANDALL,
Professor of Horticulture, B.S., University of Arkansas; M.S., Iowa State College.
- GASTON MEARES RANDOLPH,
Research Associate, Department of Textile Research, and Research Instructor, Department of Textile Chemistry, B.S., North Carolina State College.
- HAL DENISON RANDOLPH,
Instructor in Electrical Engineering, B.Sc. in E.E., University of Miami; M.Sc. in E.E., University of Florida.
- WILLIAM HOUSTON RANKIN,
Associate Professor of Soils, B.S., M.S., North Carolina State College.
- CHARLES BRICE RATCHFORD,
Assistant Director of Agricultural Extension Service and Professor of Agricultural Economics, B.S., M.S., North Carolina State College, Ph.D., Duke University.
- HORACE DARR RAWLS,
Assistant Professor of Sociology, B.S., M.S., North Carolina State College.
- ROBERT BURRETT REDFERN,
Assistant Professor of Animal Industry, B.S., Clemson College; M.S., Ph.D., North Carolina State College.
- PRESTON HARDING REID,
Instructor in Soils, B.S., Colorado A. & M., M.S., North Carolina State College.
- WILLIS ALTON REID,
Professor of Chemistry, B.S., Wake Forest College; Ph.D., University of Wisconsin.
- CLAUDE LITTLE RHYNE, JR.,
Research Assistant Professor of Field Crops (Coop. USDA), B.S., University of Georgia; Ph.D., North Carolina State College.
- JOHN EARL RICE,
Professor of Agronomy Director North Carolina Crop Improvement Association, B.S., M.S., Alabama Polytechnic Institute.
- PHILIP MORRISON RICE,
Associate Professor of History and Political Science, B.A., Pomona College; M.A., Ph.D., University of North Carolina.
- ROBERT BARTON RICE,
Professor of Mechanical Engineering, B.S., Tufts College; A.M., Columbia University; M.E., Tufts College.
- VICTOR ARTHUR RICE,
Acting Director of Instruction for School of Agriculture, B.S., North Carolina State College; M.S., University of Massachusetts; D. Agriculture, North Carolina State College.
- FRANCES MARIAN RICHARDSON,
Research Associate in Engineering Research, B.S., Roanoke College; M.S., University of Cincinnati.
- WILLIAM JOSEPH RIECK, JR.,
Assistant Professor of Military Science and Tactics, Captain, Artillery, U. S. Army.
- JACKSON ASHCRAFT RIGNEY,
Head of Department and Professor of Experimental Statistics, B.S., New Mexico State College; M.S., Iowa State College.
- ROBERT L. RINGLER,
Research Assistant Professor of Chemistry, A.B., Central Michigan College; Ph.D., Michigan State University.
- JAMES FRANKLIN RISHER, JR.,
Professor of Air Science, Colonel, U. S. Air Force, B.A., The Citadel; M.A., University of South Carolina.
- WILLIAM MILNER ROBERTS,
Head, Dairy Manufacturing Section and Professor of Animal Industry, B.S.A., University of Tennessee; M.S., Ph.D., University of Minnesota.
- COWIN COOK ROBINSON,
Associate Professor of Chemistry, B.A., Sterling College, Kansas; M.A., University of Kansas; Ph.D., University of Wisconsin.
- HAROLD FRANK ROBINSON,
Professor of Experimental Statistics, B.S., M.S., North Carolina State College; Ph.D., Nebraska University.
- SAMUEL ROSENBERG,
Associate Professor of Design, studied at New York Institute of Photography.
- ROBERT ROZETT,
Instructor in Chemical Engineering, B.S., and M.S. in Chem. Engr. Columbia University.
- DONALD JACOB RULFS,
Associate Professor of English, B.A., University of North Carolina; M. A., Harvard University; Ph.D., University of North Carolina.
- PAUL JAMES RUST,
Assistant Professor of English and Psychology, B.A., M.A., University of Idaho; Ph.D., University of Washington.

- HENRY AMES RUTHERFORD,
Head, Department of Textile Chemistry, Professor of Textile Chemistry and Director of Chemical Research, B.S., Davis and Elkins College; M.A., George Washington University.
- JOSEPH NEAL SASSER,
Associate Professor of Plant Pathology, B.S., M.S., North Carolina State College; Ph.D., University of Maryland.
- GEORGE HOWARD SATTERFIELD,
Professor of Chemistry, A.B., M.A., Duke University; B.S., North Carolina State College.
- CLARENCE CAYCE SCARBOROUGH,
Head of Department and Professor of Agricultural Education, B.S., M.S., Alabama Polytechnic Institute; Ed.M., Ed.D., University of Illinois.
- MARSHALL LANGDON SCHMITT,
Associate Professor of Industrial Arts, B.S., State University of New York; M.A., Ohio State University; Ed.D., Pennsylvania State College.
- GEORGE WILLIAM SCHNEIDER,
Professor of Horticulture, B.S., M.S., Ohio State University; Ph.D., Rutgers University.
- EDWARD MARTIN SCHOENBORN, JR.,
Head of Department and Professor of Chemical Engineering, B.Ch.E., M.S., Ph.D., Ohio State University.
- HERBERT TEMPLE SCOFIELD,
Head of Botany Faculty and Professor of Botany, A.B., Ph.D., Cornell University.
- HARRY ELDON SCOTT,
Extension Assistant Professor of Entomology, B.S.A., Ontario Agricultural College; Ph.D., Cornell University.
- LOUIS WALTER SEEGER,
Associate Professor of History and Political Science, B.A., Muhlenberg College; A.M., University of Pennsylvania.
- JOHN FRANK SEELY,
Associate Professor of Chemical Engineering, B.S., M.S., North Carolina State College.
- HAROLD RAYMOND SELFRIDGE,
Assistant Professor of Air Science, 1st Lieutenant U. S. Air Force, B.S., Clemson A & M College.
- JAMES ATKINS SHACKFORD,
Associate Professor Emeritus of English, B.A., Emery and Henry College; M.A., Peabody College; Ph.D., Vanderbilt University.
- ALFRED BERNARD ROWLAND SHELLEY,
Associate Professor of English, B.S., Tufts College; M.A., Harvard University.
- WILLIAM EDWARD SHINN,
Head of Department of Knitting Technology and Chester H. Roth Professor of Knitting Technology, School of Textiles, B.S., M.S., North Carolina State College.
- JOHN WILLIAM SHIRLEY,
Dean of the Faculty and Professor of English, B.A., Ph.D., State University of Iowa.
- ROBERT WORTH SHOFFNER,
Assistant Director of Agricultural Extension Service, B.S., North Carolina State College.
- MERLE FRANKLIN SHOWALTER,
Associate Professor of Chemistry, A.B., Indiana University; M.S., Purdue University.
- CLARENCE BONNER SHULENBERGER,
Professor of Economics, B.A., Roanoke College; M.A., Columbia University.
- ROSS SHUMAKER,
Professor of Architecture, B.Arch., Ohio State University; Registered Architect.
- RAYMOND OLIN SIMMONS,
Assistant Professor of Chemistry, B.S., M.S., Ph.D., Purdue University.
- CALVIN BRUCE SKOTLAND,
Assistant Research Professor of Plant Pathology (Coop. USDA), B.S., Utah State College; Ph.D., University of Wisconsin.
- FREDERICK SILER SLOAN,
Professor of Extension Studies and Training, B.S., North Carolina State College.
- GEORGE KELLOGG SLOCUM,
Professor of Forestry, B.S., M.S., North Carolina State College.
- CHARLES SMALLWOOD, JR.,
Associate Professor of Civil Engineering, B.S., San. Eng., Case Institute of Technology; M.S., Harvard University.
- WILLIAM WESLEY GARRY SMART, JR.,
Research Assistant Professor of Animal Industry and Experimental Statistics, B.S., Clemson College; M.S., Ph.D., North Carolina State College.
- BENJAMIN WARFIELD SMITH,
Associate Professor of Genetics, B.A., M.A., University of Virginia; Ph.D., University of Wisconsin.
- CLYDE FURIMAN SMITH,
Head of Entomology Faculty and Professor of Entomology, B.S., M.S., Utah State Agricultural College; Ph.D., Ohio State University.

- FRANK HOUSTON SMITH,**
Research Associate Professor of Animal Industry, B.S., Davidson College; M.S., North Carolina State College.
- GEORGE WALLACE SMITH,**
Head of Department and Professor of Engineering Mechanics, B.S.E.E., University of North Carolina; M.S.E.C.E., D.Sc., University of Michigan.
- HUGH FAIRFIELD SMITH,**
Professor of Experimental Statistics, B.S., Edinburg University; M.S.A., Cornell University.
- NORWOOD GRAHAM SMITH,**
Instructor in English, A.B., Duke University.
- WILLIAM EDWARD SMITH,**
Assistant Professor of Textiles, B.S., North Carolina State College.
- WILLIAM EDWARD SMITH,**
Assistant Professor of Physical Education, B.S., Western Carolina Teachers College; M.A., University of North Carolina.
- RUFUS HUMMER SNYDER,**
Professor of Physics, B.S., Lebanon Valley College; A.M., Columbia University; Ph.D., Ohio State University.
- ALLEN RALPH SOLEM,**
Director of Bureau of Industrial Psychology Services and Assistant Professor of Psychology, B.A., University of Minnesota; M.A., Wayne University; Ph.D., University of Michigan.
- MARVIN LUTHER SPECK,**
Professor of Animal Industry, B.S., M.S., University of Maryland; Ph.D., Cornell University.
- HERBERT E. SPEECE,**
Instructor in Mathematics, B.A. York College; M.A. Texas Christian University; M.S., North Carolina State College.
- WILLIAM ELDON SPLINTER,**
Research Associate Professor of Agricultural Engineering, B.S., University of Nebraska; M.S., Michigan State College, Ph.D., Michigan State University.
- HANS HEINRICH STADELMAIER,**
Research Associate Professor of Metallurgy, Diplom-Physiker, Technische Hochschule, Stuttgart.
- RAYMOND FRANKLIN STAINBACK,**
Associate Professor of Physics, B.S., M.S., University of North Carolina.
- WILLIAM ARCHIBALD STEPHEN,**
Assistant Professor of Entomology, B.S., Ontario Agricultural College; M.S.A., University of Toronto.
- STANLEY G. STEPHENS,**
Head of Genetics Faculty and William Neal Reynolds Distinguished Professor of Genetics, a B.A., Dip. Agri., M.A., Cambridge University; Ph.D., Edinburg University.
- WILLIAM DAMON STEVENSON, JR.**
Professor of Electrical Engineering, B.S.E., Princeton University; B.S.E.E., Carnegie Institute of Technology; M.S., University of Michigan.
- HARRY THADDEUS STEWART,**
Assistant Professor of Military Science and Tactics, Captain, Corps of Engineers, U. S. Army; B.S., U. S. Military Academy; M.S., University of California.
- EDWARD HOYLE STINSON,**
Instructor in Mechanical Engineering, B.S., North Carolina State College.
- CHARLES CARMEN STOTT,**
Assistant Professor of Industrial and Rural Recreation, B.S., North Carolina State College; M.S., Indiana University.
- DUNCAN ROBERT STUART,**
Associate Professor of Design, Studied at University of Oklahoma, Chouinard Art Institute, and Yale University under a Wier Scholarship.
- JASPER LEONIDAS STUCKEY,**
Professor of Geology, B.A., M.A., University of North Carolina; Ph.D., Cornell University.
- WILLIAM CLIFTON STUCKEY, JR.,**
Instructor and Research Assistant in Textiles, B.S., North Carolina State College.
- JACK SUBERMAN,**
Assistant Professor of English, A.B., M.A., University of Florida; Ph.D., University of North Carolina.
- JOSEPH GWYN SUTHERLAND,**
Agricultural Economist, USDA, B.A., Appalachian State Teachers College; Ph.D., North Carolina State College.
- PAUL PORTER SUTTON,**
Professor of Chemistry, Ph.D., Johns Hopkins University.
- LOUIS HALL SWAIN,**
Associate Professor of English, B.A., M.A., Duke University.
- OTTO TESZLER,**
Research Associate, Department of Textile Research and Research Assistant Professor, Department of Textile Chemistry; B.S., M.S., North Carolina State College.

- WALTER EARL THOMAS,
Associate Professor of Animal Industry, B.S., M.S., University of Kentucky; Ph.D., Cornell University.
- DONALD L. THOMPSON,
Research Assistant Professor of Field Crops (Coop. USDA), B.S., South Dakota State College; Ph.D., Iowa State College.
- OLIVER GEORGE THOMPSON,
Assistant Professor of Economics, B.A., Wofford College; M.A., Wake Forest College.
- EDWIN GILBERT THURLOW,
Professor of Landscape Architecture, B.S., North Carolina State College; M.L.A., Harvard University; Charles Eliot Traveling Fellow in Landscape Architecture, Harvard University.
- SAMUEL LUTHER TISDALE,
Professor of Soils, B.S., Alabama Polytechnic Institute; Ph.D., Purdue University.
- FURNEY ALBERT TODD,
Research Assistant Professor of Plant Pathology (Coop. USDA), B.S., North Carolina State College.
- ROBERT ALFRED TOLAR,
Assistant Professor of Military Science and Tactics, Captain, Infantry, U. S. Army; B.S., U. S. Military Academy.
- ELIAS LAKE TOLBERT,
Assistant Professor of Occupational Information and Guidance, B.S., University of Virginia; M.A., Ohio State University; Ed.D., Teachers College, Columbia University.
- GEORGE STANFORD TOLLEY,
Associate Professor of Agricultural Economics, B.S., American University; M.S., Ph.D., University of Chicago.
- WILLIAM DOUGLAS TOUSSAINT,
Assistant Professor of Agricultural Economics, B.S., North Dakota Agricultural College; M.S., Ph.D., Iowa State College.
- SAMUEL B. TOVE,
Research Associate Professor of Animal Industry, B.S., Cornell University; M.S., Ph.D., University of Wisconsin.
- HENRY KEITH TOWNES, JR.,
Research Professor of Entomology, B.S., B.A., Furman University; Ph.D., Cornell University.
- ROBERT TINNEN TROXLER,
Assistant Professor in Industrial Arts, B.S., M.I.A., North Carolina State College.
- HULDAH BRINKLEY TURNER,
Instructor in English, A.B., Woman's College, University of North Carolina; M.S., North Carolina State College.
- WILLIAM CALHOUN TURNER,
Instructor in Mathematics, B.S., Furman University; M.A., Duke University.
- GEORGE FRANKLIN TURNIPSEED,
Research Assistant Professor of Entomology, B.S., Alabama Polytechnic Institute.
- NEWTON UNDERWOOD,
Professor of Physics, B.S., Emory University; M.S., Ph.D., Brown University.
- VON HARDY UNDERWOOD,
Instructor in Horticulture, B.S. North Carolina State College.
- ROBERT PHILLIP UPCHURCH,
Research Assistant Professor of Agronomy, B.S., M.S., North Carolina State College; Ph.D., University of California.
- SIDNEY HARMON USRY,
Research Assistant Professor of Agricultural Engineering, B.S., University of North Carolina.
- MEHMET ENSAR UYANIK,
Associate Professor of Civil Engineering, B.S.C.E., M.S., Ph.D., University of Illinois.
- CORNELIUS HENRICUS MARIA VAN BAVEL,
Associate Professor of Soils and Soil Scientist (U.S.D.A.); M.S., Wageningen Agricultural College (Netherlands); M.S., Ph.D., Iowa State College.
- JAN VAN SCHILFGAARDE,
Research Assistant Professor of Agricultural Engineering, B.S., M.S., Ph.D., Iowa State College.
- LILLIAN LEE VAUGHAN,
Professor Emeritus of Mechanical Engineering, B.S., North Carolina State College; M.E., Columbia University.
- FRANCIS JOSEPH VERLINDEN,
Assistant Professor of Experimental Statistics, B.S., Catholic University; M.S., North Carolina State College.
- *RICHARD JAMES VOLK,
Research Assistant Professor (Coop. U.S.D.A.), B.S., M.S., Purdue University, Ph.D., North Carolina State College.

* On Military Leave

- DAVID RUDGER WALKER,
Research Assistant Professor, B.S., M.S., Utah State College; Ph.D., Cornell University.
- RICHARD GAITHER WALSER,
Associate Professor of English, B.A., M.A., University of North Carolina
- ARTHUR W. WALTNER,
Associate Professor of Physics, B.A., Bethel College, Kansas; M.S., Kansas State College; Ph.D., University of North Carolina.
- FREDERICK GAIL WARREN,
Associate Professor of Animal Industry, B.S., Kansas State College; M.S., Ph.D., Pennsylvania State College.
- GEORGE CARSON WATSON,
Associate Professor of Mathematics, B.A., Randolph-Macon College; M.A., University of Virginia.
- *ROBERT KENNETH WAUGH,
Head of Dairy Husbandry Section and Professor of Animal Husbandry, B.S., M.S., Ph.D., Purdue University.
- DAVID STATHEM WEAVER,
Director of Agricultural Extension Service and Professor of Agricultural Engineering, B.S., Ohio State University; M.S., North Carolina State College.
- JOHN WILLIS WEAVER, JR.,
Professor of Agricultural Engineering, B.S., Virginia Polytechnic Institute.
- NATHANIEL WARREN WELDON,
Research Assistant Professor of Agricultural Engineering, B.S., North Carolina STATE COLLEGE.
- BERTRAM WHITTIER WELLS,
Professor Emeritus of Botany, A.B., M.A., Ohio State University; Ph.D., University of Chicago.
- JOSEPH ARTHUR WEYBREW,
Research Professor of Tobacco Chemistry, B.S., M.S., Kansas College; Ph.D., University of Wisconsin.
- FRED BARNETT WHEELER,
Emeritus Professor of Practical Mechanics and Superintendent of Shops, B.S.M.E., North Carolina State College.
- LINDSAY RUSSELL WHICHARD,
Assistant Professor of English, B.A., East Carolina Teachers College; M.A., University of North Carolina.
- WILLIAM ALFRED WHICHARD,
Assistant Professor of Military Science and Tactics, Captain, Infantry, U. S. Army; B.S., The Citadel.
- CHARLEEN SWANSEA WHISNANT,
Instructor in English, A.B., Meredith College; M.A., University of North Carolina.
- MACK WHITE,
Assistant Professor of Air Science Major, U. S. Air Force.
- RAYMOND CYRUS WHITE,
Associate Professor of Chemistry, B.S., Davis Elkins College; M.S., Ph.D., West Virginia University.
- ROBERT BENJAMIN WHITE,
Instructor in English, A.B., M.A., University of North Carolina.
- WALTER DEXTER WHITEHEAD, JR.,
Assistant Professor of Physics, B.S., M.S., Ph.D., University of Virginia.
- JOHN KERR WHITFIELD,
Assistant Professor in Mechanical Engineering, B.M.E., M.S., North Carolina State College.
- LARRY ALSTON WHITFORD,
Associate Professor of Botany, B.S., M.S., North Carolina State College; Ph.D., Ohio State University.
- BENJAMIN LINCOLN WHITTIER,
Head, Department of Fabric Development, and Edgar and Emily Hesslein Professor of Fabric Development, School of Textiles, A.B., Williams College.
- ROBERT LYNCH WILBUR,
Assistant Professor of Botany, B.S., A.M., Duke University; Ph.D., University of Michigan.
- RUDOLPH WILLARD,
Visiting Lecturer in Furniture Manufacturing and Management, Ph.B., Yale University.
- HARVEY PAGE WILLIAMS,
Professor of Mathematics, B.A., William and Mary College; M.A., Duke University.
- LEON FRANKLIN WILLIAMS,
Professor Emeritus of Chemistry, A.B., A.M., Trinity College; Ph.D., Johns Hopkins University.

* On 2 year leave to Peru, South America.

- PORTER WILLIAMS, JR.
Instructor in English, A.B., University of the South; M.A., University of Virginia; B.A., Cambridge University.
- JAMES CLAUDE WILLIAMSON, JR.
Assistant Professor of Agricultural Economics, B.S., M.S., North Carolina State College.
- DAVID CLARKE WILLIS,
Instructor in Chemistry, M.S., Tennessee Polytechnic Institute, M.S. North Carolina State College.
- ROBERT WHITELAW WILSON,
Research Associate Professor of Agricultural Engineering, B.S.M.E., B.S.A.F., C.S.A.E., University of Wisconsin.
- THOMAS LESLIE WILSON,
Professor Emeritus of English, B.A., Catawba College; M.A., Wofford College.
- THOMAS VIRGIL WILSON,
Associate Professor of Agricultural Engineering, B.S., Clemson College; M.S., Purdue University.
- EDWIN WEEMS WINKLER,
Associate Professor of Electrical Engineering, B.S., Montana State College; M.S., University of North Carolina.
- NASH NICKS WINSTEAD,
Assistant Professor of Plant Pathology, B.S., M.S., North Carolina State College; Ph.D., University of Wisconsin.
- SANFORD RICHARD WINSTON,
Head of Department and Professor of Sociology, B.A., Western Reserve University; Ph.D., University of Minnesota.
- LOWELL SHERIDAN WINTON,
Professor of Mathematics, B.S., Grove City College; M.A., Oberlin College; Ph.D., Duke University.
- GEORGE HERMAN WISE,
Head, Animal Nutrition Section and William Neal Reynolds Distinguished Professor of Animal Nutrition, B.S., Clemson College; M.S., Ph.D., University of Minnesota.
- WILLIE GARLAND WOLTZ,
Professor of Soils, B.S., North Carolina State College; Ph.D., Cornell University.
- HENRY KUO-CHUAN WOO
Research Associate, Department of Textile Research, and Research Instructor in Textiles; B.S., North Carolina State College.
- THOMAS WILMONT WOOD,
Professor of Economics, B.S., M.A., University of Alabama; Ph.D., University of North Carolina.
- ARTHUR JOSEPH WOODBURY,
Research Associate, Department of Textile Research and Research Assistant Professor of Textiles.
- WILLIAM WALTON WOODHOUSE, JR.,
Professor of Soils, B.S., M.S., North Carolina State College; Ph.D., Cornell University.
- ROBERT EARL WORTHINGTON,
Research Instructor of Chemistry, B.S., Berry College; M.S., North Carolina State College.
- DONALD PENNIMAN WYLIE,
Instructor in Mathematics, B.S., Massachusetts Institute of Technology; M.B.A., Harvard Business School; J.D., New York University.
- LENTHALL WYMAN,
Professor of Forest Utilization, B.A., M.F., Harvard University.
- HERBERT BERNARD WYNDHAM, JR.,
Instructor in Civil Engineering, B.C.E., Rensselaer Polytechnic Institute.
- ROBERT BAKER WYNNE,
Associate Professor of English, B.A., M.A., William and Mary College.
- EMILO YACHAN
Research Associate, Department of Textile Research and Research Instructor in Textiles; B.S., M.S., North Carolina State College.
- BRUCE J. ZOBEL,
Research Associate Professor of Forestry, B.S.F., West Virginia University.

SPECIAL STAFF — — — — —

COLLEGE UNION

THE D. H. HILL LIBRARY

HARLAN CRAIG BROWN, *Director*

A.B., B.S., in L.S., University of Minnesota; A.M., in L.S., University of Michigan.

CATALOG DEPARTMENT

FOY LINEBERRY, *Head of Department*

A.B., Meredith College; B.S., in L.S., University of North Carolina

DAVORA E. NIELSON, *Assistant Catalog Librarian*

B.S., Utah State Agricultural College; B.S., in L.S., University of North Carolina

EVELYN B. NOBLIN, *Assistant Catalog Librarian*

B.A., Chowan College; A.B., B.S. in L.S., University of North Carolina

CIRCULATION DEPARTMENT

KATHERINE ALSTON EDSALL, *Head of Department*

A.B., Randolph-Macon Woman's College; A.M., Columbia University; B.S. in L.S., Catholic University of America

DOCUMENTS DEPARTMENT

MARY ELIZABETH POOLE, *Head of Department*

A.B., Duke University; B.S. in L.S., University of North Carolina

ORDER DEPARTMENT

ANNE LEACH TURNER, *Head of Department*

A.B., University of North Carolina; B.S. in L.S., Columbia University; A.M., in L.S., University of Michigan

REFERENCE DEPARTMENT

Ac RUBLE MCGALLIARD, *Head of Department*

A.B., Davis and Elkins, B.S. in L.S., University of North Carolina

SERIALS DEPARTMENT

CECIL R. MCLEOD, *Head of Department*

A.B., University of California at Los Angeles; M.S. in L.S., Western Reserve University

GLORIA K. WHETSTONE, *Serials Catalog Librarian*

A.B., Duke University; B.S., in L.S., University of North Carolina

DEPARTMENTAL LIBRARIES

KATHERINE MCDIARMID, *Librarian, School of Textiles Library*

B.A., Goucher College; B.S. in L.S., Columbia University

HARRYE LYONS, *Librarian, School of Design Library*

B.A., University of Iowa; A.M., in L.S., University of Denver

INTERCOLLEGIATE ATHLETICS

ROY B. CLOGSTON, *Director*

WILLIS R. CASEY, *Assistant*

BILL HENSLEY, *Athletic Publicity Director*

COACHES

BASEBALL: VICTOR SORRELL

BASKETBALL: EVERETT N. CASE, Head Coach; CARL ANDERSON, VICTOR BUBAS, Assistants

FOOTBALL: EARLE EDWARDS, Head Coach; CAREY BREWBAKER, ALBERT MICHAELS, PAT PEPLER, WILLIAM SMALTZ, Assistants

FENCING: ROBERT J. MIRAVALLE

GOLF: ROY B. CLOGSTON

SOCCER: ERIC DEGROAT

SWIMMING: WILLIS R. CASEY

TENNIS: JOHN B. KENFIELD

TRACK: WILLIS R. CASEY

WRESTLING: ALBERT CRAWFORD

INDEX

A

Activities, Student	25
Administration, Officers of Consolidated University	3
Administration, Officers of North Carolina State College	12
Administrative Council	299
Administrative Officers, North Carolina State College	3
Admission	18
Aeronautical Engineering, Course Descriptions	250
Aeronautical Option, Curriculum in	118
Agricultural Economics, Course Descriptions	172
Agricultural Economics, Department of	40
Agricultural Education, Course Descriptions	175
Agricultural Education, Department of	78
Agricultural Engineering, Course Descriptions	177
Agricultural Engineering, Department of	42
Agricultural Experiment Station	69
Agricultural Extension Work	70
Agricultural Foundation, Inc.	294
Agriculture, General Courses	179
Agriculture, School of	36-71
Curricula	36
Degrees	37
Departments	
Agricultural Economics	40
Agricultural Engineering	42
Animal Industry	45
Botany	49
Chemistry	49
Entomology	51
Experimental Statistics	52
Field Crops	53
Genetics	56
Horticulture	57
Plant Pathology	59
Poultry Science	59
Rural Sociology	61
Soils	63
Zoology	66
Air Science, Course Descriptions	254
Air Science	167
Alumni Association	294
Fund	294
Offices	294
Publications	294
Animal Industry, Course Descriptions	180
Animal Industry, Department of	45
Curricula	47
Annual Cost, Estimated	24
Architectural Foundation	295
Architecture, Course Description	182
Architecture, Curriculum	74
Army and Air Force ROTC	165
Athletic Council	26
Athletic Awards	31
Athletics	26
Audits	23

B

Band	27
Barbershops	29
Biology, Course Description	182
Board of Trustees, Consolidated University	297
Board of Trustees, Executive Committee	299

Books and Supplies, Approximate Cost	24
Botany, Course Description	182
Botany, Department of	49

C

Calendar	6
Ceramic Engineering, Course Descriptions	184
Ceramic Engineering, Curriculum	125
Professional Study	125
Chemical Engineering, Course Description	186
Chemical Engineering, Department of	99
Curriculum	99
Graduate Study	101
Professional Study	101
Chemistry, Course Descriptions	188
Chemistry, Department of	49
Curriculum	50
Chemistry, Textile, Course Descriptions	282
Civil Engineering, Course Descriptions	191
Civil Engineering, Department of	101
Construction Curriculum	104
Construction Option, Curriculum	103
Curriculum	102
Professional Study	106
Clubs and Societies	25
Coliseum	14
College	
History	12
Campus	13
Services and Divisions	13
College Extension, Division of	164
College Foundations	294
College Union	27
Cooperative Agriculture Extension Work	70
Correspondence Courses	164
Counseling	30
Chemistry, Agricultural and Biological	49

D

Dairy Foundation	294
Dairy Manufacturing, Course Descriptions	197
Dairy Manufacturing, Specialized Curriculum	48
Deposits	24
Deposits, Refund of	24
Design, Course Descriptions	198
Design, School of	72
Curricula	73
Degrees	73
Departments	
Architecture	7
Landscape Architecture	75
Dining Hall	24
Division of College Extension	164
Division of Military and Air Science and Tactic	165
Driver Training School	165

E

Economics, Course Descriptions	199
Economics, Department of	148
Education, Course Descriptions	203
Agricultural Education	175
Industrial Arts and Industrial Education	235
Industrial and Rural Recreation	231
Mathematics and Science Education	246
Occupational Information and Guidance	257
Psychology	268
Education, School of	77

Degrees	78	Forestry Foundation	295
Departments		Forestry, School of	134
Agricultural Education	78	Curricula	134
Industrial Arts	80	Degrees	135
Industrial Education	82	Fellowships, Scholarships, Loan Funds	137
Industrial and Rural Recreation	84	Forest Management	137
Mathematics and Science Education	89	Forest Management Curriculum	138
Occupational Information and Guidance	91	Forest Management, Fields of Specialization	139
Psychology	92	Freshman Year	137
Electrical Engineering, Course Descriptions	204	Pulp and Paper Technology	143
Electrical Engineering, Department of	106	Pulp and Paper Technology, Curriculum	143
Curriculum	106	Short Courses	137
Graduate Study	108	Wood Products Merchandising	144
Professional Study	108	Wood Products Merchandising, Curriculum	145
Engineering, Introduction to	94	Wood Products Merchandising,	
Engineering, School of	94	Fields of Specialization	146
Aeronautical Option	118	Wood Technology	140
Agricultural Engineering	99	Wood Technology, Curriculum	141
Construction Curriculum	104	Wood Technology, Fields of Specialization	142
Construction Option	103	Foundations	
Curricula	97	The Agricultural Foundation, Inc.	294
Degrees	95	The North Carolina Architectural	
Departments		Foundation, Inc.	295
Chemical Engineering	99	The North Carolina Dairy Foundation, Inc.	294
Civil Engineering	101	The North Carolina Engineering	
Electrical Engineering	106	Foundation, Inc.	294
Engineering Mechanics	109	The North Carolina Forestry Foundation	295
Engineering Research	109	The North Carolina State College	
Industrial Engineering	111	Foundation, Inc.	294
Mathematics	115	The North Carolina Textile Foundation, Inc.	294
Mechanical Engineering	117	Fraternities	
Mineral Industries	122	Honorary	25
Physics	128	Social	25
Engineering Physics	129	French, Course Descriptions	254
Furniture Manufacturing and Management	113	Furniture Manufacturing and Management	
Heating and Air Conditioning	119	Curriculum	114
Humanities-Social Studies Program	98		
Non-Scholastic Requirements	96		
Nuclear Engineering	129		
Professional Program	132		
Short Courses and Institutes	97		
Engineering Foundation	294		
Engineering Mathematics, Curriculum	115		
Engineering Mechanics, Course Descriptions	208		
Engineering Mechanics, Department of	109		
Engineering Physics, Curriculum	130		
Engineering Physics, Graduate Study	131		
Engineering Physics, Master of Science Program	131		
Engineering Research, Department of	109		
Engineering Research News	295		
English, Course Descriptions	209		
Freshman Composition	209		
Literature	211		
Speech	210		
Writing	210		
English, Department of	148		
English Entrance Requirements	18		
Enrollment, Summary of 1955-1956	296		
Entomology, Course Descriptions	211		
Entomology, Department of	51		
Curriculum	52		
Expenses, Estimated	24		
Experimental Statistics	213		
Extension Division	164		
Extension Farm News	295		

F

Fabric Development, Course Descriptions	280
Fees	22
Fellowship, Graduate	32
Fiber and Yarn Technology	153
Field Crops, Course Description	216
Field Crops, Department of	53
Curriculum	54
Graduate Study	55
Financial Aid	31
Forestry, Course Descriptions	218

G

Gaston Technical Institute	165
General Studies, School of	147
Departments	
Economics	148
English	148
History and Political Science	149
Modern Languages	149
Philosophy and Religion	150
Physical Education	150
Social Studies	150
Sociology and Anthropology	151
Organization	148
Genetics	56
Genetics, Course Descriptions	222
Geological Engineering	
Course Description	224
Curriculum	126
Professional Study	127
German, Course Descriptions	255
Glee Club	27
Government, Student	25
Grading System	20
Graduate Degrees	164
Graduate School	163
Graduation, Requirements for (See curricula listings	
and descriptions for various Schools)	
Grants-in-Aid	31

H

Health	29
Accident Insurance	29
Infirmary	29
Physical Examination	29
Heating and Air Conditioning, Curriculum	120
History Course Descriptions	226
History and Political Science, Department of	149
History, Entrance Requirements	19
Honor System	25

Horticulture, Course Descriptions	228
Horticulture, Department of	57
Curriculum	58
Housing	28
Humanities—Social Studies Program for Engineering Students	98

I

Industrial Arts and Industrial Education, Course Descriptions	235
Industrial Arts, Graduate Study	80
Industrial Arts Education, Curriculum in	81
Industrial and Rural Recreation, Course Descriptions	231
Industrial and Rural Recreation, Department of	84
Curriculum	84
Options	85-88
Industrial Education, Department of	82
Curriculum	83
Industrial Engineering, Course Descriptions	239
Industrial Engineering, Department of	111
Curriculum	112
Graduate Study	113
Professional Study	113
Industrial Recreation, Option in	85
Infirmary	29
Institutional Recreation, Option in	87
Instruction, Officers of	300
Italian, Course Descriptions	256

K

Knitting Technology	155
Knitting Technology, Course Descriptions	279

L

Landscape Architecture	75
Landscape Architecture, Course Descriptions	242
Landscape Architecture, Curriculum	76
Late Registration	24
Leazar Dining Hall	24
Libraries	
D. H. Hill	14
School of Design	72
School of Textiles	159
Loans	31

M

Mathematics, Entrance Requirements	19
Mathematics, Course Descriptions	242
Mathematics, Curriculum in Engineering	
Mathematics	115
Mathematics, Department of	115
Mathematics and Science Education	89
Mathematics and Science Education, Course Descriptions	246
Mechanical Engineering, Course Descriptions	247
Mechanical Engineering, Department of	117
Aeronautical Engineering Option Curriculum	118
Curriculum	118
Heating and Air Conditioning Curriculum	120
Professional Study	121
Mechanized Agriculture, Curriculum	44
Medical Examination before entrance	29-30
Metallurgical Engineering, Course Descriptions	252
Military and Air Science and Tactics, Division of	165
Military Science, Course Descriptions	253
Military Science and Tactics	166
Military Training	165
Military Uniforms and Equipment	167

Mineral Industries	122
Modern Languages, Course Descriptions	254
French	254
German	255
Italian	256
Russian	256
Spanish	255
Modern Languages, Department of	149
Music	27

N

Non-Resident Applicants	20
North Carolina Dairy Foundation, Inc.	294
North Carolina State College Foundation, Inc.	294
North Carolina Textile Foundation, Inc.	294
Nuclear Engineering	129
Nuclear Reactor Building	14

O

Occupational Information and Guidance, Course Descriptions	257
Occupational Information and Guidance, Department of	91
Officers:	
Administration of, Consolidated University ..	3
Administration of, North Carolina State College	3
Administrative Council of North Carolina State College	299
Administration Officers, North Carolina State College	299
Board of Trustees	297
Executive Committee, Board of Trustees	299
Instruction: Faculty of North Carolina State College	300
Special Officers	322
Orchestra	27
Out-of-State Students	20

P

Park Administration, Option in	88
Payment of Fees	22
Philosophy and Religion, Course Descriptions ..	258
Philosophy and Religion, Department of	150
Physical Education, Course Descriptions	259
Physical Education, Department of	150
Physical Education, Requirements	30
Physics, Course Descriptions	262
Physics, Department of	128
Curricula	129
Placement	31
Plant Pathology, Course Descriptions	265
Plant Pathology, Department of	59
Political Science (See History and Political Science)	149
Political Science, Course Descriptions	226
Poultry Science, Course Descriptions	266
Poultry Science, Department of	59
Curriculum	60
Professional Clubs and Societies	25
Professional Program, School of Engineers	132
Admission	132
General Regulations	133
Psychology, Course Descriptions	268
Psychology, Department of	92
Graduate Study	93
Psychology, Experimental Laboratory	93
Publications	
Student	25
College	295
Pulp and Paper Foundation, Inc.	295

Pulp and Paper Technology	143
Curriculum	143

R

Record, State College	295
Recreation (See Industrial and Rural Recreation)	
Refunds	24
Registration, Late	24
Religion (See Philosophy and Religion)	150
Religion, Course Descriptions	258
Religious Centers	27
Research	
Engineering	109
Textiles	157
Research and Farming	295
Reserve Officer's Training Corps	165
Financial Aid	167
Organization	167
Selective Service and ROTC	168
Uniforms and Equipment	167
Residence	20
Reynolds Coliseum	14
Room Rent	23
Rural Recreation, Option in	86
Rural Sociology, Course Descriptions	271
Rural Sociology, Department of	61
Curriculum	62
Russian, Course Descriptions	256

S

Sanitary Engineering, Curriculum (Professional Study)	105
Scholarships	20
Schools	
Agriculture	36
Design	72
Education	77
Engineering	94
Forestry	134
General Studies	147
Graduate	163
Textiles	151
Science Education, Curriculum	89
Selective Service in relation to ROTC	168
Social Fraternities	25
Social Studies, Course Description	274
Social Studies, Department of	150
Societies	25
Sociology and Anthropology, Course Descriptions	274
Sociology and Anthropology, Department of	151
Soil Mechanics and Foundation Engineering Curriculum (Professional Study)	105
Soils Course Description	276
Soils, Department of	63
Curriculum	64
Spanish, Course Description	255
Sports, Athletic	26
Statistics, Course Descriptions	213
Statistics	65
Structural Engineering, Curriculum (Professional Study)	105
Student Activities	25
Student Government	25
Students, Classifications	25
Auditors	23
Graduate	163

Regular	22
Special	23
Unclassified	23

T

Technical Bulletins	295
Technical Clubs and Societies	25
Testing and Counseling	30
Textile Chemistry, Curriculum	162
Textile Foundation	294
Textile Publications	295
Textiles, Course Descriptions	278
Fabric Development	280
Fiber and Yarn Technology	284
General Textiles Courses	284
Knitting Technology	279
Textile Chemistry	282
Textiles, Curriculum	160
Textiles, Options	161
Textiles, School of	151
Departments and Divisions	
Consulting Service	159
Fabric Development	156
Fiber and Yarn Technology	153
Knitting Technology	155
Library	159
Machine Design and Development	158
Placement Bureau	159
Synthetic Fibers Division	158
Textile Chemistry	156
Textile Research	157
Extension Courses	153
Inspection Trips	153
Short Courses	153
Sponsored Professorships	159
Transportation Engineering, Curriculum (Professional Study)	106
Trustees	297

V

Vocational Testing and Counseling	30
---	----

W

Wildlife Conservation and Management, Curriculum in	67
Fields of Specialization	68
Wood Technology	140
Curriculum	141
Fields of Specialization	142

Y

Yarn Technology (See Fiber and Yarn Technology)	153
Young Men's Christian Association	27

Z

Zoology, Course Description	287
Zoology, Department of	66
Curriculum in Wildlife Conservation and Management	67

INDEX FOR MAP

A. A. A. Building	50	Geology	11	1. Holladay Hall	36. U. S. Post Office
Agr. Economics	35	Graduate School	44	2. Alumni Hall	37. Diesel Eng. Bldg.
Agr. Engineering	30	History	9	*3. Welch Hall	38. Broughton Hall
Agr. Extension	32	Home Demonstration	32	*4. Gold Hall	39. Polk Hall
Agr. Dean	33	Horticulture	49	*5. Fourth Hall	40. D. H. Hill Library
Agromony	43	Industr. Arts	15	6. Brooks Hall	41. U. S. Bureau of Mines
Alumni Secretary	2	Industr. Engineering	26	7. First Hall	42. Aaromony Greenhouses
Animal Husbandry	39	Intimrty	52	8. Watauga Hall	43. Williams Hall
Architecture	29	Landscape Design	20	9. Peele Hall	44. Gardner Hall
Athletics	58	Laundry	29	10. Pullen Hall	45. Student Union
Auditorium	10	Library	40	11. Primrose Hall	46. Scott Hall
Biology	44	Marketing	35	12. Syme Hall	47. Bot. & Zool. Gr. Hus.
Book Store	8	Mathematics	15	13. Y.M.C.A.	48. Horticulture Gr. Hus.
Botany	44	Mechanical Engr.	38	14. Leazer Hall	49. Kilgore Hall
Building Supt.	21	Military Dept.	42	15. Tompkins Hall	50. Manum Hall
Business Office	21	Modern Language	9	16. Field House	51. Textile Building
Cafeteria	14	Navy R. O. T. C.	68	17. Riddick Field	52. Clark Hall
Ceramics Eng.	18	Nuclear Reactor	34	18. Ceramics	*53. Berry Hall
Chancellor	26	Physical Education	56	19. Power Plant	*54. Baewell Hall
Chemical Eng.	30	Physics	29	20. Laundry	*55. Becton Hall
Chemistry	30	Plant Pathology	44	21. Warehouse	56. Thompson Gym
Civil Eng.	28	Poultry	46	22. Park Shops	57. Parking Area
Coliseum	58	Print Shop	63	23. Page Hall	58. Reynolds Coliseum
College Engineer	31	Psychology	15	24. Winston Hall	*59. Alexander Hall
College Extension	31	Purchasing	1	25. Eng. Research	*60. Turlington Hall
Cotton	43	Rural Sociology	31	26. Riddick Lab. Bldg.	*61. Owen Hall
Dairy Research	39	Sanitary Engr.	28	27. Electrical Eng.	62. Tucker Hall
Dean of Students	1	Service Dept.	21	28. Civil Engineering	63. Printing Shop
Dean, Dean	29	Shops	22	29. Daniels Hall	64. Vetville
Diesel Enr.	37	Sociology	9	30. Withers Hall	65. Track Bleachers
Dorm. Office	1	Statistics	35	31. 1911 Building	66. Baseball Field
Economics	9	Supplies	21	32. Ricks Hall	67. Tennis Courts
Education, Dean	15	Textiles, Dean	51	33. Zoology Building	68. U. S. N. R. Armory
Electrical Engr.	27	Textile Research	51	34. Nuclear Reactor	69. N. Y. A. Group
Engineering, Dean	26	Tobacco	43	35. Patterson Hall	70. Forestry Lab.
Engineering, Drawing	23	U. S. Post Office	36		71. Trailer Park
Engineering Mechanics	25	Veterans Adm.	1		
Engineering Research	26	Vetville	64		
English	10	Visual Aids	32		
Entomology	44	Wood Prod. Lab.	70		
Ethics	9	Y. M. C. A.	13		
Field Crops	43	Zoology	44		
Forestry, Dean	49				
Foundations	1				
General Studies, Dean	9				
Genetics	44				

* Dormitories (students may apply for housing in any dormitory).





—ITS PRODUCT

State College is proud of its thousands of well-trained, substantial alumni who are helping to build a better world. They are now engaged . . .

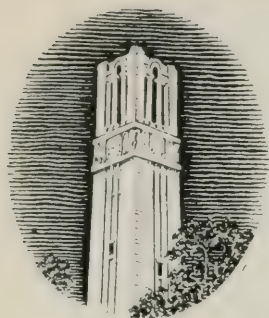
- in erecting bridges over giant chasms.
- in building dams and power plants to rescue wastelands and give light and power to millions.
- in teaching farmers all that science has learned about agriculture.
- in stringing highways throughout the land.
- in clothing the civilized world in the finest and most durable raiment the textile industry can produce.
- in creating new magic in chemistry and ceramics.
- in developing and conserving our natural resources.
- in putting power into mechanical giants.
- in preserving and replanting our forests.
- in designing and constructing homes and buildings more pleasant and comfortable and appealing than earlier generations ever knew.
- in delving into a thousand research projects from which will emerge richer and fuller lives for untold millions.

These productive and creative alumni serve both to point up the outstanding quality of the research and teaching activities of State College and to furnish inspiration and stimulus to both faculty and students of the present and future. State College has high regard for the youth of North Carolina; it pledges itself to continue the highest possible level of instruction.

N. C. State belongs to all the people, and has functions unique among the colleges and universities of our state . . . we seek a more efficient and diversified agriculture; better management of our forests and utilization of their products; the development of better methods for our textile, tobacco, furniture, and other industries . . .

. . . more application of the principles of engineering to transportation, the development of our resources, and greater diversification of industries; better designing of homes, schools, hospitals, churches, and factories; and the training of better vocational teachers and recreational directors.

Carey Hoyt Bostian
Chancellor, 1953—

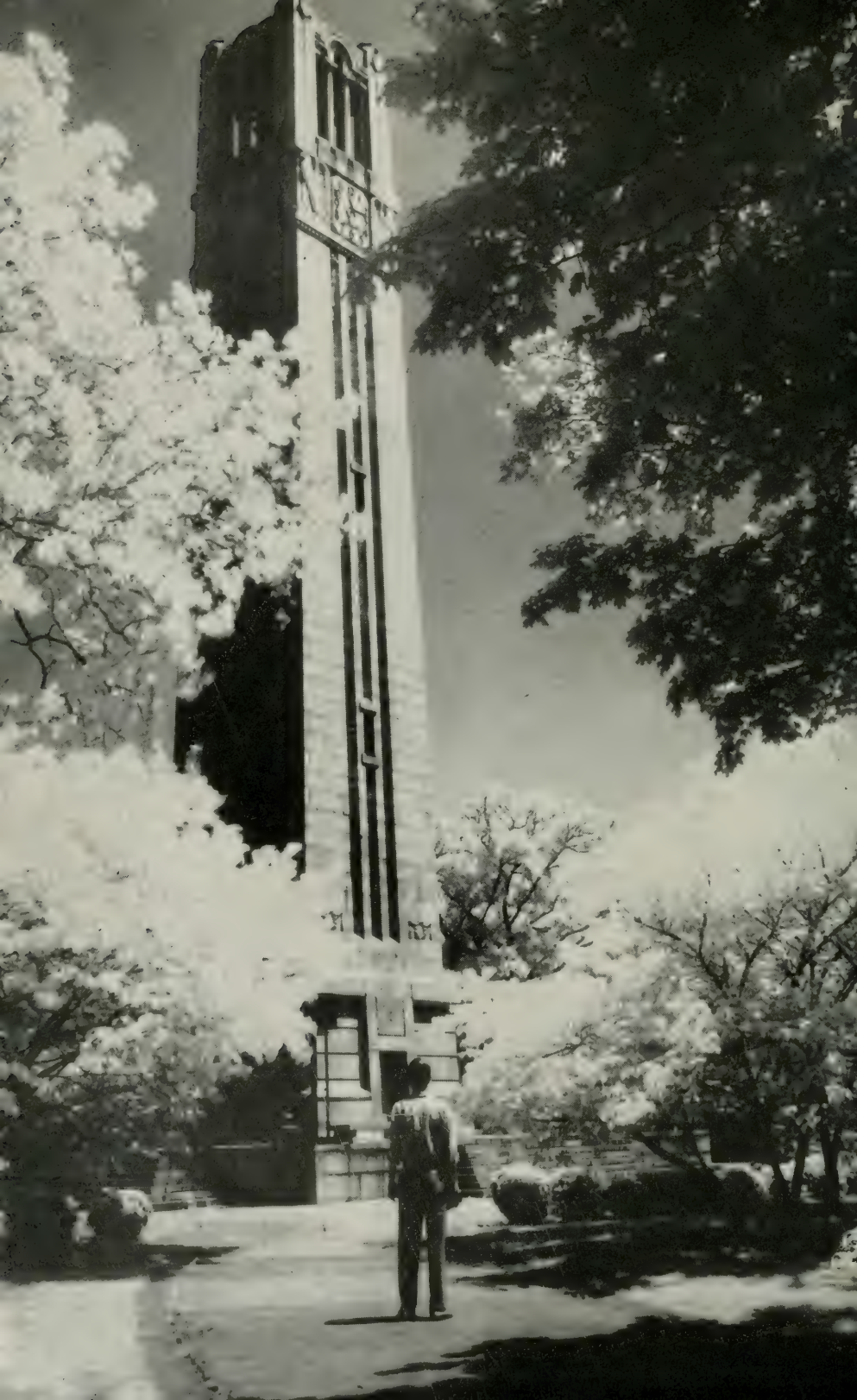


PREPARED THROUGH THE OFFICES OF ACADEMIC AFFAIRS
AND DEVELOPMENT AFFAIRS ● PRINTED BY THE
NORTH CAROLINA STATE COLLEGE PRINT SHOP

NORTH CAROLINA STATE COLLEGE

CATALOG ISSUE

1957-1958



NORTH CAROLINA STATE COLLEGE

DIRECTORY

FACULTY, ADMINISTRATIVE

AND

CLERICAL STAFFS



STATE COLLEGE STATION

RALEIGH

1957-1958

DIRECTORY

NORTH CAROLINA STATE COLLEGE OF
AGRICULTURE AND ENGINEERING OF THE
UNIVERSITY OF NORTH CAROLINA

LISTING

FACULTY, ADMINISTRATIVE AND
CLERICAL STAFFS

College Exchange TE 4-5211

EMERGENCY NUMBERS:

In event of fire, call Raleigh Fire DepartmentTE 2-7733
Then call M. and O.328 or TE 3-8528
In event of emergency at night, Sundays or Holidays
Call M. and O. Security Desk392 or TE 2-2944
In case of accidents, call InfirmaryTE 2-7615
or Rex HospitalTE 2-7521



STATE COLLEGE STATION
RALEIGH

OFFICERS OF ADMINISTRATION

For the Academic Year 1957-58

THE CONSOLIDATED UNIVERSITY OF NORTH CAROLINA

Chapel Hill, North Carolina

President	William C. Friday	Chapel Hill 5191
Vice President, Graduate Studies and Research	William M. Whyburn	Chapel Hill 9495
Vice President and Finance Officer	W. D. Carmichael, Jr.	Chapel Hill 4141
Business Officer and Treasurer ..	A. H. Shepard	Chapel Hill 9-6821

NORTH CAROLINA STATE COLLEGE

Raleigh, North Carolina

Chancellor	C. H. Bostian	A Holladay	210
Dean of the Faculty	J. W. Shirley	110 Holladay	466
Business Manager	J. G. Vann	105 Holladay	295
Director of Foundations	L. L. Ray	A Holladay	322
Dean of Student Affairs	J. J. Stewart	101 Holladay	456

ADMINISTRATIVE COUNCIL

Chancellor, Chairman	Carey H. Bostian
Dean of Student Affairs, Secretary	J. J. Stewart
Business Manager	J. G. Vann
Director, Development and Public Relations	L. L. Ray
Dean of the Faculty	J. W. Shirley
Dean, School of Agriculture	D. W. Colvard
Dean, School of Design	H. L. Kamphoefner
Dean, School of Education	J. B. Kirkland
Dean, School of Engineering	J. H. Lampe
Dean, School of Forestry	R. J. Preston
Dean, School of General Studies	C. A. Hickman
Dean, School of Textiles	M. E. Campbell
Dean, Graduate School	D. B. Anderson

SCHOOLS

<i>Department</i>	<i>Head</i>	<i>Office</i>	<i>Ext.</i>
AGRICULTURE			
Dean	D. W. Colvard	115 Patterson	211
Director of Instruction	H. B. James	111 Patterson	331
Director of Extension	D. S. Weaver	104 Ricks	213
Asst. Dir. of Extension	R. W. Shoffner	106 Ricks	213
Asst. Dir. of Extension	C. B. Ratchford	110 Ricks	213
Director of Research	R. L. Lovvorn	103 Patterson	315 & TE 2-6526
Asst. Dir. in chg. of Tobacco Research	K. R. Keller	104 Patterson	444
Asst. Dir. of Research	H. A. Stewart	102 Patterson	471
Agricultural Economics	C. E. Bishop	216-18 Patterson	308
Farm Management Extension	W. L. Turner	220 Patterson	306
Farm Marketing Extension	J. M. Curtis	220-E Patterson	291
Agricultural Engineering	G. W. Giles	203 Mangum	405
Agricultural Engr. Ext.	H. M. Ellis	316 Ricks	274 & 389
Agricultural Information	O. B. Copeland	112 Ricks	472 & TE 2-6541
Animal Industry	J. W. Pou	117 Polk	320 & 431
Animal Husbandry Section	E. R. Barrick	216 Polk	276 & 326
Animal Husbandry Extension	Jack Kelley	203 Polk	269
Animal Nutrition Section	G. H. Wise	304 Polk	241
Dairy Husbandry Section	J. E. Legates	115 Polk	268
Dairy Extension	George Hyatt, Jr.	102 Polk	321 & 277
Dairy Mfg. Section	W. M. Roberts	204 Polk	371
Veterinary Section	E. G. Batte	Animal Disease Bldg.	486 & 487
Biological Sciences, Div. of	D. B. Anderson	145 Gardner	429
Botany	H. T. Scofield	250 Gardner	267
Entomology	C. F. Smith	142 Gardner	408
Entomology Extension	G. D. Jones	140 Gardner	201
Genetics	S. G. Stephens	353 Gardner	385
Plant Pathology	D. E. Ellis	114 Gardner	373
Plant Pathology Extension	H. R. Garriss	9 Gardner	336
Zoology	F. S. Barkalow, Jr.	156 Gardner	239
Chemistry	*W. A. Reid	107 Withers	266
	*J. A. Weybrew	107 Withers	266
Experimental Statistics	*Gertrude Cox	112 Patterson	313 & 335
Field Crops	P. H. Harvey	258 Williams	217
Agronomy Extension	E. R. Collins	252 Williams	294
4-H Club (Extension)	L. R. Harrill	200 Ricks	214
Home Demonstration (Ext.)	Ruth Current	101-A Ricks	244
Clothing	Julia McIver	300 Ricks	221
Family Relations	Corinne G. English	306 Ricks	221
Foods & Nutrition	S. Virginia Wilson	213 Ricks	354
Home Management	Mamie N. Whisnant	305 Ricks	285
Home Marketing	Iola F. Pritchard	214 Ricks	242
Housing & House Furnishings	Pauline E. Gordon	210 Ricks	462
Horticulture	F. D. Cochran	120 Kilgore	275 & 455
Horticulture Extension	John H. Harris	235 Kilgore	296
Poultry Science	E. W. Glazener	120 Scott	280
Poultry Extension	C. F. Parrish	211 Scott	377
Program Planning (Extension)	F. S. Sloan	109 Ricks	292
Rural Sociology	C. H. Hamilton	339 1911 Bldg.	312
Soils	J. W. Fitts	210 Williams	470

*Acting

SCHOOLS

<i>Department</i>	<i>Head</i>	<i>Office</i>	<i>Ext.</i>
DESIGN			
Dean	H. L. Kamphoefner	200 Brooks	250 & 343
EDUCATION			
Dean	J. Bryant Kirkland	119 Tompkins	256
Agricultural Education	C. C. Scarborough	103 Tompkins	257
Industrial Arts	Ivan Hostetler	106 Tompkins	258
Industrial & Rural Recreation	Thomas I. Hines	Field House	350
Occup. Infor. & Guidance	Roy N. Anderson	224 1911 Bldg.	478
Psychology	Howard G. Miller	123 Tompkins	286
ENGINEERING			
Dean	J. H. Lampe	229 Riddick	216
Director of Instruction	R. G. Carson, Jr.	232 Riddick	332
Director of Placement	W. H. Simpson	225 Riddick	424
Coordinator of Student Affairs	W. E. Adams	232 Riddick	404
Chemical Engineering	E. M. Schoenborn, Jr.	113 Riddick	301
Civil Engineering	Ralph E. Fadum	354 Mann	432
Electrical Engineering	George B. Hoadley	320-A Daniels	236
Engineering Mechanics	G. Wallace Smith	240 Mann	317
Engineering Research	N. W. Conner	124 Riddick	248 & 423
Industrial Engineering	Clifton A. Anderson	328 Riddick	307
Mathematics	John W. Cell	201 Tompkins	227
Mechanical Engineering	Karl P. Hanson	211 Broughton	246
Mineral Industries	W. W. Austin	109 Page	249
Nuclear Reactor	Harold A. Lamonds	31 Nuclear Reactor	393
Physics	A. C. Menius, Jr.	5 Nuclear Reactor	229
FORESTRY			
Dean	R. J. Preston	160 Kilgore	270 & 282
Forestry (Extension)	John L. Gray	264 Kilgore	407
Forest Management	T. E. Maki	152 Kilgore	406
Pulp & Paper Technology	C. E. Libby	Pulp & Paper Lab.	485
Wood Products Laboratory	James S. Bethel	166 Kilgore	282
Wood Products Merchandising	Roy M. Carter	158 Kilgore	270
GENERAL STUDIES			
Dean	C. Addison Hickman	103 Peele	223
Economics	Clark L. Allen	102 Peele	333
English	Lodwick Hartley	118-B Winston	325
History & Political Science	Preston W. Edsall	114 Winston	356
Modern Languages	George W. Poland	205 Peele	231
Physical Education	Paul H. Derr	Gymnasium	496 & 218
Philosophy & Religion	W. N. Hicks	204 Peele	374
Social Studies	George A. Gullette	212 Winston	200
Sociology & Anthropology	Sanford Winston	202 Peele	374
TEXTILES			
Dean	Malcolm E. Campbell	101 Nelson Textile	422 & 273
Director of Instruction	Edward A. Murray	115 Nelson Textile	420
Director of Research	William A. Newell	107 Nelson Textile	273
Director of Placement	G. H. Dunlap	110 Nelson Textile	421
Fabric Development	B. L. Whittier	103 Nelson Textile	289
Fiber & Yarn Technology	Elliot B. Grover	111 Nelson Textile	327
Knitting Technology	W. E. Shinn	104 Nelson Textile	289
Machine Design	C. M. Asbill, Jr.	117 Nelson Textile	420
Textile Chemistry	H. A. Rutherford	21 Nelson Textile	341

SCHOOLS

<i>Department</i>	<i>Head</i>	<i>Office</i>	<i>Ext.</i>
THE GRADUATE SCHOOL			
Dean	D. B. Anderson	145 Gardner	429
SUMMER SCHOOL			
Director	Philip M. Rice	101 Pullen	435

DEPARTMENTS

ALUMNI AFFAIRS			
Director	H. W. Taylor	103 Alumni	252 & TE 3-1010
ATHLETIC			
Director	Roy B. Clogston	105 Coliseum	TE 2-2407
Asst. Dir. & Swimming Coach	Willis R. Casey	100 Coliseum	TE 2-2407
Baseball Coach	Victor C. Sorrell	106 Coliseum	TE 4-2241
Baseball Coach (Freshman)	Jennings B. Edwards	Gymnasium	218
Basketball Coach	Everett N. Case	120 Coliseum	TE 4-1881
Football Coach	Earle L. Edwards	104 Coliseum	TE 2-6934
Golf Coach	Albert P. Michaels	130 Coliseum	TE 2-6934
Soccer Coach	William R. Leonhardt	Gymnasium	218
Tennis Coach	Paul A. Bredenberg	204 Peele	374
Track Coach	Paul Derr	Gymnasium	218
Publicity Director	Bill F. Hensley	124 Coliseum	TE 3-5620
Wolfpack Club Director		108 Coliseum	TE 4-2241
BUSINESS OFFICE			
Manager	J. G. Vann	105 Holladay	295
Budget Officer	John D. Wright	B Holladay	298
Cashier	J. Curtis Hall	B Holladay	278
Director of Accounting	Glenn E. Musser	7 Holladay	494
Personnel Officer	James R. Swiger	Primrose	481
CAFETERIA			
Director	A. G. Sutherland, Jr.	Leazar	TE 3-4825-6
COLISEUM			
Director	Roy B. Clogston	105 Coliseum	TE 2-2407
COLLEGE EXTENSION DIVISION			
Director	E. W. Ruggles	118 1911 Bldg.	238 & TE 4-3333
DORMITORY RENTAL			
Supervisor	James S. Fulghum, Jr.	4 Holladay	349
INSTITUTE OF STATISTICS			
Director	Gertrude M. Cox	110 Patterson	375
LIBRARY, D. H. HILL			
Director	Harlan C. Brown	130 Library	259
Catalog	Martha F. Lineberry	108 Library	344
Circulation	Katherine A. Edsall	108 Library	372
Documents	Mary E. Poole	118 Library	398
Order	Anne L. Turner	113 Library	344
Reference	Emma W. Pohl	122 Library	398
Serials	Ac McGalliard	12 Library	344
Design Library	Harrye Lyons	201 Brooks	361
Textile Library	Katherine McDiarmid	112 Nelson Textile	421

DEPARTMENTS

<i>Department</i>	<i>Head</i>	<i>Office</i>	<i>Ext.</i>
MAINTENANCE AND OPERATIONS			
Director	J. McCree Smith	101 Morris)
Asst. Director	Macon R. Rowland	102 Morris	) 392
Power Plant	Frank R. Kennedy	Power Plant)
Grounds Supt.	John G. Duncan	1 Morris	) TE 3-8528
Transportation Supt.	Leon I. Parrish	2 Morris	) 234
Asst. College Engineer	Robert E. Fite	115 Morris	) 392
Property	John E. Higgins	111 Morris	) 451
Chief Clerk	Aleen K. Minter	100 Morris	328
Central Stores	A. H. Adams	Morris	463
Laundry	Joseph R. Gower	Laundry	283
NEWS BUREAU			
Director	Rudolph Pate	105 Alumni	253
Associate Director	Elbert Reid	105 Alumni	253
N. C. CROP IMPROVEMENT ASSOCIATION			
Director	John C. Rice	193-A Williams	207 & TE 4-7542
N. C. FOUNDATION SEED PRODUCERS, INC.			
Manager	R. W. McMillan	124 Williams	TE 2-1573
PRINT SHOP			
Manager	L. B. Phillips	Print Shop Bldg.	281 & TE 3-4151
PURCHASING			
Purchasing Agent	W. L. Fleming	200 Morris	230 & 459
Asst. Purchasing Agent	Bave Sumner	200 Morris	230 & 459
STUDENT AFFAIRS			
Dean	J. J. Stewart	101 Holladay	456
Student Activities			
Director	Banks C. Talley, Jr.	206 Holladay	370
Asst. Director	Henry Bowers	206 Holladay	215
College Union			
Director	G. O. T. Erdahl	216 College Union	TE 4-7310
Asst. Director	Richard S. Heaton	214 College Union	TE 4-7310
Social Director	Alice M. Young	College Union	378
Craft Shop Director	Martha G. Robinson	College Union	378
Food Service Director	James N. Economys	College Union	TE 4-7310
Information Desk	Corinne S. Philbrick	College Union	TE 4-7318-9
Reservations	Neill S. Briggs	216 College Union	TE 4-7310
Music Activities, Dir.	Robert A. Barnes	102 Pullen	251
Asst. Director	Nels Leonard, Jr.	102 Pullen	251
Student Publications	Julia Lucas	313 1911 Bldg.	TE 3-4810
Religious Activities			
Coordinator	Oscar B. Wooldridge	Y.M.C.A.	TE 2-7184
Asst. Coordinator	William G. Long	Y.M.C.A.	TE 2-7184
Admissions and Registration			
Director	Kenneth D. Raab	13-C Holladay	219
Asst. Director	E. Glenn Overton	12 Holladay	219
Academic Records & Permanent Files		10 Holladay	351
Admissions Office		14 Holladay	205
Attendance Records & Information		11 Holladay	219

DEPARTMENTS

<i>Department</i>	<i>Head</i>	<i>Office</i>	<i>Ext.</i>
Counseling, Director	Lyle B. Rogers	201 Holladay	224
Assistant Director	Kingston Johns	207 Holladay	460
Assistant Director	George Needham	202 Holladay	397
Financial Aid		207 Holladay	460
Counseling Center		202 Holladay	397
Student Housing, Director	N. B. Watts	207 Holladay	434
Student Health Service	Dr. J. J. Combs	Clark Hall	TE 2-7615
Air Force ROTC	Col. James F. Risher	145 Coliseum	314 & TE 4-5161
Army ROTC	Col. Lauren W. Merriam	154 Coliseum	233
Military Supply	H. C. Thomas	Gymnasium	232
STUDENTS SUPPLY STORES			
General Manager	L. L. Ivey	Y.M.C.A. Bldg.	225 & TE 2-3674
Asst. Manager	M. H. Wheless	Y.M.C.A. Bldg.	225 & TE 2-3674
Watauga Book Shop	C. L. Chambers	Watauga Hall	337
TELEPHONE EXCHANGE			
Installation Officer	Baye Sumner	200 Morris	230
Supervisor	Bessie B. Turner	117 Winston	0
Operator	Annie P. Cooke	117 Winston	0
Operator	Rosa G. Thompson	117 Winston	0
TELEVISION			
Director	Roy J. Johnston	WUNC-TV Bldg.	TE 4-6262
VETERANS ADMINISTRATION			
Training Specialist	Carlisle R. King	114 1911 Bldg.	TE 3-4679
VETERANS HOUSING			
Manager of Vetville	H. H. Hutchinson	UK 5 Vetville	TE 2-4306
VISUAL AIDS			
Head	Landis S. Bennett	3 Ricks	458

COLLEGE COMMITTEES FOR 1957-58

ATHLETICS

H. B. James, Chairman
W. W. Austin, Senate
M. E. Campbell
P. H. Derr
J. B. Kirkland

BUILDINGS AND GROUNDS

C. L. Mann, Chairman
V. M. Faires, Senate
L. O. Armstrong
Horacio Caminos
Lewis J. Clarke
J. B. Gartner
W. W. Woodhouse
J. M. Smith, Advisory

CAFETERIA ADVISORY

W. E. Smith, Chairman
H. B. Craig
Students:
L. E. Pond
H. R. Lindsley

CAMPUS STORES ADVISORY

O. G. Thompson, Chairman
V. E. Holt
H. M. Nahikian
Students:
H. C. Henley
R. P. Kennel
W. N. Ray, Jr.

COLISEUM ADVISORY

R. J. Preston, Chairman
R. C. Bullock, Senate
T. I. Hines
H. B. James
J. J. Stewart
Student:
J. B. Hunt

COLLEGE EXTENSION

J. B. Kirkland, Chairman
J. W. Pou, Senate
R. G. Carson
E. M. Halliday
T. E. Maki
E. W. Ruggles, Advisory

COURSES AND CURRICULA

H. A. Rutherford, Chairman
B. M. Olsen, Secretary
E. M. Schoenborn, Senate
C. E. Bishop
R. C. Bryant
George Matsumoto
H. G. Miller
W. D. Stevenson

FACULTY HOSPITALITY AND ORIENTATION

J. A. Porter, Chairman
K. L. Barkley, Secretary, Senate
J. A. Adams
R. M. Carter
C. I. Foster
E. L. Harrisberger
W. A. Reid

GOVERNMENT

W. N. Hicks, Chairman
C. M. Asbill, Jr.
W. S. Barham
K. L. Barkley
Lee Harrisberger

GRADUATE SCHOOL, ADMINISTRATIVE BOARD

D. B. Anderson, Chairman
J. S. Bethel
J. L. Etchels
R. E. Fadum
R. L. Lovvorn
E. A. Murray
C. C. Scarborough
Newton Underwood

GROUP INSURANCE AND FACULTY WELFARE

C. H. Hamilton, Chairman
H. M. Corter
Jack Fleischer
Cleon Harrell
A. C. Hayes
D. M. Peterson
H. D. Rawls
J. R. Swiger
W. L. Turner

COLLEGE COMMITTEES FOR 1957-58

HISTORY OF THE COLLEGE

Stuart Noblin, Chairman
L. W. Barnhardt
H. C. Brown
W. L. Carpenter
J. K. Coggin
Rudolph Pate
H. W. Taylor

LIBRARY

L. C. Hartley, Chairman
E. W. Glazener, Senate
J. O. Cook
A. J. Goetze
J. R. Lambert, Jr.
J. E. Legates
C. Smallwood, Jr.
H. C. Brown, Advisory

O. MAX GARDNER AWARD

P. W. Edsall, Chairman
F. D. Cochran, Senate
J. E. Legates
H. A. Rutherford
H. P. Williams

PATENTS

J. G. Vann, Chairman
J. S. Bethel
N. W. Conner
R. L. Lovvorn
W. A. Newell

READMISSIONS

H. L. Kamphoefner, Chairman
K. D. Raab, Secretary
R. G. Carson
C. A. Hickman
H. B. James
J. B. Kirkland
E. A. Murray
R. J. Preston

REFUND OF FEES

E. H. Johnson, Chairman
G. C. Watson
L. R. Whichard

RESEARCH

D. B. Anderson, Chairman
W. A. Newell, Vice-Chairman
J. S. Bethel
N. T. Coleman
C. A. Hickman
E. M. Schoenborn

SAFETY AND HEALTH FOR NUCLEAR REACTOR

W. W. Austin, Chairman
Newton Underwood, Secretary
N. T. Coleman
H. J. Evans
G. B. Hoadley
A. C. Menius
R. L. Murray
N. L. Nemerow
E. J. Story, *Ex-Officio*
J. H. Lampe, *Ex-Officio*

SCHOLARSHIP AND STUDENT AID

K. F. McKean, Chairman
L. B. Rogers, Secretary
R. B. Clogston
J. H. Cox
J. S. Doolittle
G. H. Dunlap
E. H. Glazener
G. B. James
C. E. Libby

SOCIAL FUNCTIONS

F. S. Barkalow, Jr., Chairman
G. O. T. Erdahl, Secretary
D. S. Hamby, Senate
W. C. Hackler
R. B. Knight
O. B. Wooldridge
Students:
T. G. Allen
A. W. Capel
J. L. Elsmore
R. S. Gardner
D. J. Morton
E. J. Poindexter
E. B. Thompson

COLLEGE COMMITTEES FOR 1957-58

STUDENT ORIENTATION

F. G. Warren, Chairman
K. Johns, Secretary
W. E. Adams
P. H. Derr
G. H. Dunlap
Roy Gussow
T. I. Hines
W. G. Long
G. R. Slocum

Students:

G. G. Blankfard
R. H. Burgess
J. P. Carlton
R. L. Davis
L. Harris, Jr.
G. R. Howard, Jr.
J. H. Newlin
R. H. Ribakove

TELEVISION ADVISORY

M. E. Campbell, Chairman
Fred Cochran
O. B. Copeland
P. W. Edsall
A. J. Goetze
Roy Gussow
J. B. Kirkland
E. A. Murray
R. J. Preston

TRAFFIC

L. L. Miller, Chairman
P. A. Bredenberg
G. D. Mangum
H. V. Park
R. B. Redfern
J. F. Seely
H. B. Simon
R. T. Troxler
N. B. Watts

Students:

R. R. Boswell
E. F. Davis
J. C. Hopkins
E. J. Poindexter
D. D. Yager

ELECTED BOARDS AND DIRECTORATES, 1957-1958

COLLEGE UNION DIRECTORATE

B. F. Beers
H. L. Bumgardner
E. L. Cloyd
G. O. T. Erdahl
H. E. Kendall
F. G. Warren

Students:

H. C. Abernethy, President
D. J. Morton, Vice-President
W. C. Holoman, Secretary
R. L. Abernethy
J. C. Barbot
W. B. Barksdale
J. D. Barnhardt
J. F. Buckner

Students:

G. M. Colton
A. W. Copeland
A. W. Houtz, Jr.
G. R. Howard
J. L. May
R. W. Poinsett, Jr.
R. E. Sneed
N. G. Yarber

PUBLICATIONS BOARD

Rudolph Pate, Chairman
Henry Bowers
O. B. Copeland
W. L. Fleming
W. A. Newell
L. R. Whichard

Students:

J. D. Barnhardt
H. S. Berman
W. F. Bradley
S. K. Brinkley
R. K. Chalmers
B. D. Deans
J. P. Essex
W. A. Hall

Students:

T. O. Hilbourne
J. B. Hunt
W. H. Kincheloe
J. L. Kirk
E. C. Lemons
E. I. Lowry
H. H. Menzies
W. O. Parker

Y.M.C.A. DIRECTORATE

J. W. Pou, Chairman
A. Kelman, Vice-Chairman
G. B. James, Secretary
L. S. Bennett
P. H. Derr
J. A. Graham
R. Harkema
W. C. Lewis

R. L. Lovvorn
A. J. Newton
R. M. Pinkerton
J. A. Porter
L. W. Seegers
E. G. Thurlow
S. L. Tisdale

Students:

K. E. Bostian
F. W. Manley
J. L. O'Connell
R. J. Ponder

OFFICERS OF FACULTY SENATE, 1957-1958

Chairman: W. W. Austin

Vice-Chairman: R. J. Monroe

Secretary: L. W. Seegers

Faculty Senate Membership, 1957-1958

Name	Term Ending	School	Address	Phone
Abshier, G. S.	1958	Agriculture	209-A Patterson	291
Austin, W. W., Jr.	1957	Engineering	109 Page	249
Banadyga, A. A.	1958	Agriculture	231 Kilgore	296
Barefoot, A. C., Jr.	1958	Forestry	154 Kilgore	406
Bryant, R. C.	1957	Forestry	150 Kilgore	406
Bullock, R. C.	1957	Engineering	218 Tompkins	436 & 228
Campbell, K. S.	1957	Textiles	21 Nelson Textile	341
Cates, D. M.	1958	Textiles	10 Nelson Textile	288
Clark, J. D.	1958	General Studies	119 Winston	325
Cochran, F. D.	1958	Agriculture	120 Kilgore	275
Corter, H. M.	1957	Education	109 Tompkins	365
Doolittle, J. S.	1958	Engineering	229 Broughton	447
Faires, V. M.	1958	Engineering	307 Broughton	448
Glazener, E. W.	1957	Agriculture	120 Scott	280
Gussow, R.	1958	Design	114 Brooks	438
Hamby, D. S.	1957	Textiles	113 Nelson Textile	327
Harvey, P. H.	1957	Agriculture	258 Williams	217
James, G. B.	1958	Education	102 Tompkins	257
Kelman, A.	1958	Agriculture	3 Gardner	381
McCullough, H. B.	1958	Engineering	145 Coliseum	314
Monroe, R. J.	1958	Agriculture	120 Patterson	313
Mumford, C. G.	1957	Engineering	224 Tompkins	228
Nahikian, H. M.	1958	Engineering	218 Tompkins	228
Noblin, S.	1958	General Studies	215 Winston	356
Poland, G. W.	1957	General Studies	205 Peele	231
Pou, J. W.	1957	Agriculture	117 Polk	320
Reid, W. A.	1957	Agriculture	113 Withers	297
Schoenborn, E. M.	1957	Engineering	113 Riddick	301
Seegers, L. W.	1957	General Studies	215 Winston	356
Seely, J. F.	1958	Engineering	216 Riddick	357
Speece, H. E.	1957	Education	216 Tompkins	228
ThurLOW, E. G.	1957	Design	200-C Brooks	343

FACULTY SENATE STANDING COMMITTEES, 1957

AGENDA

W. W. Austin, Chairman

R. J. Monroe, Vice-Chairman

L. W. Seegers, Secretary

COMMUNICATIONS

R. J. Monroe, Chairman

E. W. Glazener

C. G. Mumford

CONSTITUTION AND BY-LAWS

H. M. Nahikian, Chairman

G. S. Abshier

J. D. Clark

W. A. Reid

L. W. Seegers, *Ex-Officio*

EDUCATIONAL POLICY

E. M. Schoenhorn, Chairman

A. C. Barefoot

D. M. Cates

R. Gussow

G. B. James

A. Kelman

G. W. Poland

PERSONNEL POLICY

J. S. Doolittle, Chairman

A. A. Banadyga

K. S. Campbell

F. D. Cochran

P. H. Harvey

S. M. Noblin

PERSONNEL PROBLEMS

H. M. Corter, Chairman

R. C. Bryant

V. M. Faires

H. B. McCullough

STUDENT AFFAIRS

E. G. Thurlow, Chairman

R. C. Bullock

D. S. Hamby

J. W. Pou

J. F. Seely

H. E. Speece

FACULTY SENATE SPECIAL COMMITTEES, 1957

HONORARY DEGREES

H. M. Nahikian, Chairman

A. C. Barefoot

K. S. Campbell

G. B. James

S. M. Noblin

J. W. Pou

E. G. Thurlow

INTERCOLLEGIATE ATHLETICS

J. W. Pou, Chairman

G. S. Abshier

R. C. Bullock

J. S. Doolittle

J. F. Seely

ABBREVIATIONS FOR DEPARTMENTS

ABBREVIATIONS

DEPARTMENT

AED	Agricultural Education
AGC	Agricultural Economics
AGE	Agricultural Engineering
AI	Animal Industry
ARC	Architecture
AS	Air Science
BO	Botany
CE	Civil Engineering
CH	Chemistry
CHE	Chemical Engineering
DN	Design
EC	Economics
EE	Electrical Engineering
EM	Engineering Mechanics
ENG	English
ENT	Entomology
EST	Experimental Statistics
FC	Field Crops
FOM	Forest Management
FOR	Forestry
GN	Genetics
HI-PSC	History & Political Science
HRT	Horticulture
IA	Industrial Arts
IE	Industrial Engineering
IRR	Industrial & Rural Recreation
LA	Landscape Architecture
MA	Mathematics
ME	Mechanical Engineering
MI	Mineral Industries
ML	Modern Languages
MS	Military Science
OIG	Occupational Information & Guidance
PE	Physical Education
PHI-REL	Philosophy & Religion
PP	Plant Pathology
PPT	Pulp & Paper Technology
PSC	Poultry Science
PSY	Psychology
PY	Physics
RS	Rural Sociology
SOC-ANT	Sociology & Anthropology
SOI	Soils
SS	Social Studies
TC	Textile Chemistry
TX	Textiles
ZO	Zoology

FACULTY AND STAFF DIRECTORY

Name	Dept.	Office	Ext.	Address	
Abruzzi, Catherine W.	EC	111 Peele	333	2706 Mayview Rd.	TE
*Abshier, George S.	Ag. Ext.	209A Patterson	291	311 Wilmot Dr.	TE
*Adams, A. Harvey	Central Stores	Morris	463	210 2nd St., Clayton, N. C.	TE
*Adams, Bonnie W.	Tex. Res.	107-A Nelson Tex.	495	Apt. 3, 3314 Pollock Pl.	VA
Adams, Hazel C.	FOR	162 Kilgore	270	405 Brooks Ave.	TE
*Adams, William E.	Engineering	232 Riddick	404	204 Faircloth	TE
*Adkins, Vivian	EST	120H-Patterson	TE 3-2434	Apt. 3, 2404 Clark Ave.	TE
*Alexander, Doris H.	Nat'l Sci. Reg.	107 1911 Bldg.	265	108 Adams St., Cary	HO
*Alexander, Elaine G.	EST	112B Patterson	313 - 335	Rt. 1, Loop Rd., Garner	EM
†Alford, Ella M.	Printing	Print Shop	281	208 Groveland Ave.	TE
Allen, A. V.	Ag. Ext.	201 Polk	269	1314 Rand Dr.	TE
*Allen, Clark L.	EC	102 Peele	333	917 Brookwood Dr.	TE
Allen, Margaret E.	REG	11 Holladay	219	Walnut Rd., Cary	HO
*Allgood, James G.	Ag. Ext.	209 Patterson	291	405 Union St., Cary	HO
*Alliston, Katie B.	FC	256 Williams	262	3326 Ruffin St.	VA
*Allred, Annie I.	Ag. Ext.	220C Patterson	291	2817 C Wade Ave.	TE
*Allred, Fred J.	ML	207 Peele	231	3016 Mayview Rd.	TE
*Alvarado, Michael E.	AS	141 Coliseum	314	304 Polk St.	VA
Alvarez, Raul E.	IE	338 Riddick	423	2713 Clark St.	
*Amburgey, Lloyd D.	WUNC-TV	Western Blvd.	TE 4-6262	2212 Rumson Rd.	TE
*Ammerman, James P.	AI	A. H. Farm	TE 3-9267	Rt. 1, Cary, N. C.	TE
*Ammerman, Talitha C.	HRT	118 Kilgore	275 & 455	Rt. 1, Cary, N. C.	TE
*Andersen, H. J.	Ag. Ext.	311 Ricks	457	2521 Clark Ave.	TE
*Anderson, Charles N.	MA	216 Tompkins	228	207 Wilmot Dr.	TE
*Anderson, Clifton A.	IE	328 Riddick	307	1702 Hillsboro Rd.	TE
*Anderson, Donald B.	Grad. Sch.	145 Gardner	429	2715 Rosedale Rd.	TE
Anderson, M. Louise	Eng. Res.	124 Riddick	248 & 423	3305 Ruffin St.	TE
*Anderson, Richard L.	EST	120C Patterson	313 & 335	1007 Seward St.	TE
*Anderson, Roy N.	OIG	224 1911 Bldg.	478	117 Forest Rd.	TE
*Andrews, W. G.	PSC	209 Scott	376	2332 Avents Ferry Rd.	TE
Antonakos, Antonios	PY	310 Daniels	353	2100 Van Dyke Ave.	TE
*Antonakos, Lillie H.	ENG	15 Winston	325	2100 Van Dyke Ave.	TE
*Apple, J. Lawrence	PP	4 Gardner	381	512 S. Lakeside Dr.	TE
Arant, Anamerle	Ag. Ext.	205 Ricks	212	1821 Glenwood Ave.	TE
Arey, Mary L.	Ag. Ext.	220 Patterson	396	5 Maiden Lane	TE
*Armstrong, Lindsey O.	AED	121 Tompkins	346	308 Dixie Trail	TE
*Arnold, Hubert C.	M & O	2 Morris	392	110 Dennis Ave.	TE
*Asbill, Clarence M., Jr.	TX	117 Nelson Tex.	420	2407 Stafford Ave.	TE
*Askren, William B.	PSY	112-B Tompkins	401	5121 Melbourne Rd.	TE
*Atkins, Mary W.	Tex. Res.	B-48 Nelson Tex.	416	2600 Mayview Rd.	VA
Atkinson, Rose C.	Ag. Exp. Sta.	101 Patterson	471	939 St. Mary's St.	TE
*Atkisson, Patsy Y.	ENT	142 Gardner	408	3109 Hillsboro St.	TE
*Aurand, Leonard W.	A.I.	211 Polk	319	Rt. 4, Avent Ferry Rd.	TE
*Austin, William W.	MI	109 Page	249	3515 Andrews Lane	TE
*Averette, Fred G.	SOI	422 Williams	334	Rt. 2, Oxford, N. C.	
*Babb, Edith M.	Circulation	D. H. Hill Library	372	23-A Verville	
*Baker, Velma C.	Engineering	229 Riddick	216	220 Cox Ave.	TE
Bailey, Janie R.	ME	211 Broughton	246	Rt. 7, Raleigh	TE
*Baird, Bruce L.	SOI	101A Williams	345	2356 Grant Ave.	TE
*Ball, Ernest	BO	256 Gardner	267	1220 Duplin Rd.	TE
*Ball, George F.	Printing	Print Shop	281	Rt. 1, Cary, N. C.	TE
*Ballenger, Stanley T.	ML	213 Peele	231	2714 Rosedale Ave.	TE
Ballinger, Walter E.	HRT	234 Kilgore	318	2712 Vanderbilt Ave.	TE
*Barber, C. W.	PSC	108 Scott	366	627 Stacy St.	TE
†Barbour, Irma M.	PHI & REL	202-204 Peele	374	1614½ Park Dr.	TE
Barbour, Maxine L.	IRL	Field House	350	Cameron Court Apts.	TE
*Barbour, Sherwood A.	Printing	Print Shop	281	703 Van Buren St.	TE

*Married
 *Widowed

Name	Dept.	Office	Ext.	Address	
*Barclay, William J.	EE	425 Daniels	395	208 Avon Dr.	TE
*Barefoot, A. C., Jr.	WT	154 Kilgore	406	3349 Hampton Rd.	TE
Barefoot, Alma G.	Boarding	Leazar	TE 3-4825 - 6	2830 Barmettler St.	TE
*Barham, Carey G.	A.I.	Basement, Polk	1E 3-0531	1700 N. Blount	TE
*Barham, Linwood H.	Tex. Res.	255 Nelson Tex.	414	Rt. 3, Wake Forest, N. C.	TE
*Barham, Warren S.	HRT	210 Kilgore	318	2517 Wake Dr.	TE
*Barkalow, Frederick S., Jr.	ZO	155 Gardner	239	2610 Wade Ave.	TE
*Barkley, Key L.	PSY	123 Tompkins	286	2305 Clark Ave.	TE
*Barnard, Ralph G.	Tex. Res.	N. C. Voc. Tex. Sch.		2106 Ann St., Gastonia	UN
		Belmont, N. C.	TA 5-2342		
*Barnes, E. Floyd	FC	139 Williams	222	Rt. 1, Raleigh	TE
*Barnes, Hazelene P.	RS	339 1911 Bldg.	465	314 N. Boundary St.	TE
*Barnes, Lillian M.	Col. Ext. Div.	113 1911 Bldg.	260	136 Woodburn Rd.	TE
*Barnes, Robert A.	Music	102 Pullen	251	1518 Duplin Rd.	TE
*Barnhardt, Luther W.	HI & PS	115 Winston	356	2502 Stafford Ave.	TE
*Barnhart, Catherine G.	ENG	217-219 Winston	325	1417 Jackson St.	TE
*Barnhart, William J.	ENG	217-219 Winston	325	1417 Jackson St.	TE
*Barrick, Elliott R.	AI	216 Polk	326 & 276	Rt. 3, Box 110, Raleigh	TE
*Barrow, Richard D.	Printing	Print Shop	281	2101 Ramseur St.	TE
*Bartholomew, William V.	SOI	358 Williams	220	618 Stacy St.	TE
*Bartley, Andrew J.	EC	106 Peete	333	Rt. 4, Raleigh	TE
*Bass, Janie C.	Dorm. Rental	4 Holladay	349	407 Gardner St.	TE
*Batchelder, Lenore C.	Printing	Print Shop	281	1076 Nichols Dr.	TE
*Batchelor, Maxine M.	FC	428 Williams	334	10 Enterprise St.	
†Batchelor, Robert E.	Ag. Ext.	21 Ricks	254	Rt. 2, Zebulon, N. C.	
*Batte, Edward G.	AI	An. Dis. Lab.	486	715 Beaver Dam Rd.	TE
*Baumgarten, William L.	DN	200G Brooks	343	813 Lake Boone Trail	TE
*Beal, Ernest O.	BO	255 Gardner	267	2813 Van Dyke Ave.	TE
*Bean, Carolyn L.	SOI	222 Williams	470 & 488	2321 Grant Ave.	TE
*Beasley, Mary C.	Foundations	"A" Holladay	322	714 S. Kimbrough St.	TE
*Beatty, Kenneth O., Jr.	CHE	114 Riddick	309	323 Shepherd St.	TE
*Beck, Frances R.	Nat'l Sci. Reg.	107 1911 Bldg.	265	2309 McMullan Circle	TE
*Beers, Burton F.	HI & PS	115 Winston	356	2322 Grant Ave.	TE
*Bell, Oliver A.	CE	145A Mann	303	2604 Garner Rd.	TE
*Bell, Rebekah S.	ENT	327 Gardner	409	2816 O'Berry St.	TE
*Bell, Thomas A.	AI USDA	312 Polk	206	117 Montgomery St.	TE
*Bell, William C.	Indus. Exp. Pro.	Old Ceramic	347 & 464	3044 Lewis Farm Rd.	TE
*Beman, Darla S.	PY	32 Nuclear Reactor	393	Apt. B-3, 3200 Hillsboro	VA
*Bennett, Landis S.	Vis. Aids	3 Ricks	458	2638 Kilgore Ave.	TE
*Bennett, Melvin S.	AI	304 Polk	241	4105 Western Blvd.	TE
Bennett, Mitchell E.	PP	Greenhouse	373	123 Brooks Ave.	
*Bennett, Roy R.	Ag. Ext.	454 Williams	329	2819 Kilgore Ave.	TE
*Bernstein, Mitzie E.	Reg.	13 Holladay	351	31-F Verville	TE
*Berry, Ernest B.	TX	206 Nelson Tex.	419	Rt. 1, Raleigh	TE
*Best, Frances J.	Nat'l Sci. Reg.	107 1911 Bldg.	265	1207 Brookside Dr.	TE
*Best, Laeta P.	Ag. Ext.	301 Ricks	388	2311 Van Dyke Ave.	TE
*Bethel, James S.	WT	166 Kilgore	282	3364 Alamance Dr.	TE
*Bigelow, Richard H.	CE	444 Mann	303	2509 Glenwood Ave.	TE
*Biggerstaff, Lucille G.	Ag. Inf.	13 Ricks	254	22E Verville	TE
*Bill, Edward D.	MS	154 Coliseum	233	250 Pecan Rd.	TE
*Bireline, George	DN	103 Brooks	438	205 Chamberlain St.	TE
*Bishir, John W.	MA	216 Tompkins	228	3021 Farrior Rd.	TE
*Bishop, Charles E.	AGC	216 Patterson	308	727 Runnymede Rd.	TE
*Bishop, Mrs. L. W.	YMCA	YMCA Bldg.	TE 2-7184	8 Bagwell Ave.	TE
*Blackwood, Louise R.	Ag. Exp. Sta.	101A Patterson	369	College View Trailer Park	
*Blake, Carl T.	Ag. Ext.	152 Williams	263	Jeffries Rd.	TE
*Blake, William O.	AI	216 Polk	326 & 276	Rt. 1, Cary, N. C.	
*Blalock, T. Carlton	Ag. Ext.	102 Polk	321 & 277	1315 Brooks Ave.	TE
*Blalock, Thomas J.	CH	103 Withers	266	603 Gardner St.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Blanchard, Eleanor H.	Vis. Aids	3 Ricks	330	Buck Jones Road	TE
*Blanton, Leonard F.		A.I. 213 Polk	319	19 Bagwell Ave.	TE
Blaylock, Loyce	Education	118 Tompkins	311	710 McCulloch St.	TE
*Blizard, Marion		EST 16 Patterson	386 & 387	18 Enterprise St.	TE
*Blizard, Warren E.		ME 222 Broughton	447	18 Enterprise St.	TE
*Block, William J.	HI & PS	109 Winston	356	602 Gardner St.	TE
*Blow, William L.	PSC	205 Scott	352	304 Furches St.	TE
*Blum, George B., Jr.	AGE	10J Tompkins	439	Rt. 4, Raleigh	TE
*Blumer, Thomas N.	AI	214 Polk	326 & 276	350 Meredith St.	TE
Boardman, Elizabeth G.	FC	102 Williams	222	B-5 Shelton Apts.	TE
*Boaz, Joseph N.	DN	615 Hillsboro	TE 3-1994	3309 Milton Rd.	TE
*Bofinger, Eve	EST	3 Patterson	386 & 387	3802 Western Blvd.	
Bofinger, Victor J.	EST	3 Patterson	386 & 387	3802 Western Blvd.	
*Bogdan, Jack F.	Tex. Res.	B51 Nelson Tex.	414, 293	2120 Ridge Rd.	TE
*Boles, Ralph C.	MA	204 Tompkins	226	1311 Crabapple Lane	TE
*Bomar, Clarence B.	ME	23 Diesel	203	1435 Beaver Dam Rd.	TE
*Boney, J. Finley	CE	144 Mann	303	1321 Hathaway Rd.	TE
*Boone, Ruth S.	Boarding	Leazar	TE 3-4825 - 6	3602 Leonard St.	TE
*Booth, Howard G.	Printing	Print Shop	281	303 Hunter St., Cary	HO
*Bostian, Carey H.	Chancellor	"A" Holladay	210	1903 Hillsboro St.	TE
*Bowen, Henry D.	AGE	205 Ag. Engr. Bldg.	479	3400 Octavia Rd.	TE
Bowers, Henry	Student Affairs	206 Holladay	215	815-C Daniels St.	VA
*Bowery, Thomas G.	CH	3 Withers	383	3435 Leonard St.	TE
*Boykin, Wayne	Ag. Ext.	15 Ricks	254	214 S. Lord Ashley Rd.	
*Bradford, Edward H.	Tex. Res.	325 Nelson Tex.	413	Galax Dr., Rt. 6	TE
Bramer, Charles R.	CE	134 Mann	391	2729 Oberlin Rd.	TE
*Branan, Nunan C.	AGC	215 Patterson	469	1314 Banbury Rd.	TE
*Brandt, B. B.	ZO	160 Gardner	239	3218 Bedford Ave.	TE
*Brantley, Vester R.	MA	209 Tompkins	226	152 Jones-Franklin Rd.	TE
*Braswell, Marguerite S.	Tex. Res.	B48 Nelson Tex.	416	2114 Mayview Ave.	TE
*Bredenberg, Paul A.	PHI & REL	204 Peele	374	1007 Carlton Ave.	TE
Brendle, Opal	SOC & ANT	202 Peele	374	1005 Stancill Dr. TE 2-7581,	EX
Brett, Charles H.	ENT	238 Gardner	384	1425 Dixie Trail	TE
*Brewbaker, Carey L.	Athletic	130 Coliseum	TE 2-6934	810 Daniels St.	TE
Brewer, Hazel	Ag. Ext.	128 Williams	263	304 Capital Apts.	TE
*Bridge, Gladys G.	REG	10 Holladay	351	Wake Forest, N. C.	EX
*Bridger, June M.	RS	331 1911 Bldg.	465	211 Cox Ave.	TE
†Bridges, William S.	ME	129 Broughton	246	125 Chamberlain St.	TE
*Briggs, Neill S.	College Union	216 C. U.	TE 4-7310	128 Groveland Ave.	TE
*Bright, Richard	CHE	107 Riddick	309	Rt. 7, Raleigh	TE
*Brigman, Howard P.	PSC	202 Scott	352	213 N. Bloodworth St.	TE
*Brim, Charles A.	FC	112 Williams	222	1713 Nottingham Rd.	TE
*Brinkley, Betty P.	Bus. Off.	B Holladay	298	2405 Hickory Rd.	TE
*Britt, Southgate T.	SOI	363 Williams	363	808 Colleton Rd.	TE
*Brittain, Furney W.	FC	122 Williams	222	924 Jones Ave.	TE
*Brockman, Grace W.	PSC	108 Scott	366	1208 Mitchell St.	TE
*Brooks, Betty C.	AGC	205 Patterson	491	216 Willow St., Cary	HO
*Brooks, Mrs. J. M.	Infirmary	Clark Hall	TE 2-7615	101 Enterprise St.	TE
*Brose, King R.	Eng. Res.	141 Riddick	426	370 Wilmot Dr.	TE
*Brown, Edmond J.	PY	400 Daniels	483		
*Brown, Edwin P., Jr.	Ag. Ext.	119 Ricks	255	1901 Clark Ave.	TE
*Brown, Harlan C.	Library	D. H. Hill Library	250	3217 Merriman Ave.	TE
†Brown, Jean C.	GN	353 Gardner	383	515 Gardner	TE
*Brown, Kenneth E.	PP	Greenhouse	373	Rt. 2, Clayton	
*Brown, Luther E.	SOI	105 Williams	345	314 Rose Lane	
*Brown, Marvin L., Jr.	HI & PS	113 Winston	356	2948 Claremont Rd.	TE
*Brown, Peggy M.	Tex. Res.	126 Nelson Tex.	413	937 St. Mary's St.	TE
*Brown, Theodore C.	ME	26 Diesel	247	601 Beaver Dam Rd.	TE
*Brown, T. T.	PSC	126 Scott	368	1709 Bickett Blvd.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Bryant, Charles D.	AED	102 Tompkins	257	811 Tower St.	TE
*Bryant, Ralph C.	FOM	150 Kilgore	406	Avent Ferry Rd.	TE
*Bubas, Victor A.	Athletic	120 Coliseum	TE 4-1881	707 Smedes Pl.	TE
*Buchanan, J. S.	Ag. Ext.	201 Polk	269	2622 Grant Ave.	TE
*Buisson, Paul	DN	203 Brooks	343	1120 Parker St.	
*Bullock, Roberts C.	MA	235 Riddick	436	1415 Dixie Trail	TE
		218 Tompkins	228		
Bumgardner, Harvey L.	PSC	224 Scott	368	2807 Lewis Farm Rd.	TE
Bunch, John H., Jr.	Athletic	Coliseum	TE 3-2317	920 Williamson Dr.	TE
*Bunch, Luther V., Jr.	FC	182 Williams	324	2416 E. Lake Dr.	TE
*Bunn, Clara R.	AI	314 Polk	241	1826 Glenwood Ave.	TE
Bunn, Janice	Ag. Ext.	13 Ricks	254	807-B Daniels St.	TE
*Burchfield, Betty A.	Dean of Faculty	110 Holladay	466	1007 St. Mary's St.	TE
*Burgess, Patricia D.	Circulation	D. H. Hill Library	372	2201½ Hope St.	TE
*Burks, Edward C.	Ag. Inf.	120 Ricks	279	710 Faircloth St.	TE
*Burnette, Battle L.	A.I.	Basement, Polk	TE 3-0531	Rt. 3, Raleigh	TE
*Burnette, James A.	M & O	114 Morris	451	McCullers Rd., Rt. 3	TE
*Burnette, William H.	IE	Park Shops	245	Rt. 3, Apex, N. C.	EL
Burns, Joyce A.	FC	480 Williams	300	519 Gardner St.	TE
*Butler, J. K.	Ag. Ext.	203 Polk	269	2217 Garden Pl.	TE
*Butts, Mary Y.	HRT	225 Kilgore	318	Angier, N. C.	
*Byrd, DeWitt, Jr.	PP	Greenhouse	373	Rt. 1, Wendell	
*Caffey, Michael D.	PSY	111A Tompkins	365	2211 Hope St.	TE
*Caldwell, George C.	MA	235 Riddick	436		
		218 Tompkins	228	1204 Brooks Ave.	TE
*Caldwell, Henny	Eng. Res.	124 Riddick	423	1204 Brooks Ave.	TE
*Caldwell, Wilma B.	AGE	204 Mangum	342 & 461	507 Webster St., Cary	HO
*Caminos, Horacio	DN	317 Brooks	437	Rt. 6, Raleigh	TE
*Camp, Allene M.	Infirmery	Clark Hall	TE 2-7615	626 W. Jones St.	TE
*Campbell, Alice R.	Alumni Aff.	107 Alumni	252	College View Trailer Park	
*Campbell, Catherine M.	Ag. Ext.	211 Ricks	462	3413 Rosebud Lane	TE
*Campbell, Graham	Bus. Off.	2 Holladay	443	1206 Dogwood Lane	TE
*Campbell, Janet T.	Tob. Lit. Service	D. H. Hill Library	477	4201 Western Blvd.	VA
*Campbell, Kenneth S.	TC	1 Nelson Tex.	341	212 Pogue St.	TE
*Campbell, Malcolm E.	TX	101 Nelson Tex.	422 & 273	1315 Williamson Dr.	TE
*Campbell, Patricia W.	Tex. Res.	22 Nelson Tex.	288	1324 Canterbury Rd.	TE
*Canaday, Emmett J.	MA	220 Tompkins	228	2611 Wade Ave.	TE
†Cannon, Isabella W.	Library	D. H. Hill Library	259	212 Brooks Ave.	TE
*Capps, Jane D.	College Union	C. U.	TE 4-7318	2109 Pine Dr.	TE
†Capps, Vera H.	Ag. Ext.	134 1911 Bldg.	396	821 Young St.	TE
*Carde, Monty	S.S.S.	YMCA	225 & TE 2-3674	Clayton, N. C.	
*Carlson, Irving T.	FC	158A Williams	324	3345 Hampton Rd.	TE
*Carlyle, Alexander A.	Ind. Exp. Pro.	Old Ceramic	464	3810 Burt Dr.	TE
*Carpenter, William L.	Ag. Inf.	118 Ricks	208	Millbrook, N. C.	TE
Carraway, Mary H.	PSY	123 Tompkins	286	2706 Everett Ave.	TE
*Carroll, Richard L.	AS	141 Coliseum	314	2607 Elmhurst Circle	TE
*Carson, Robert G., Jr.	Engineering	232 Riddick	332	1202 Brooks Ave.	TE
Carter, George L., Jr.	Ag. Ext.	204 Ricks	410	103 Enterprise St.	TE
*Carter, Roy M.	WT	158 Kilgore	270	705 Brooks Ave.	TE
*Carver, Frances K.	Reg.	14 Holladay	205	1418½ Mordecai Dr.	TE
*Carver, Irvin L.	HR F	118 Kilgore		Method, N. C.	TE
Case, Everett N.	Athletic	120 Coliseum	TE 4-1881	611 Daniels St.	TE
*Casper, Luther A.	Tex. Res.	325 Nelson Tex.	413	1404 Morning St.	TE
*Cassell, Guy R.	Ag. Ext.	220F Patterson	306	372 Wilmot Dr.	TE
*Cates, David M.	Tex. Res.	10 Nelson Tex.	288	2416 Greenway Terrace	TE
*Cates, Jewel S.	GN	353 Gardner	385	Peartree Rd.	TE
*Cates, Mary C.	AGE	200 Mangum	342, 461	2416 Greenway Terrace	TE
*Caudle, Thelma W.	Ag. Ext.	108 Ricks	213	Rt. 5, Raleigh	TE
*Caviness, Betty L.	Ag. Ext.	309 Ricks	367	1508 Frank St.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Cell, John W.	MA	221 Tompkins	227	3114 Darien Dr.	TE
*Chadwick, Dorothy B.	N.C. Crop Imp.	189 Williams	207		
			& TE 4-7542	3321 Ridge Dr.	TE
*Chadwick, Maude	College Union	C. U.	378	3113 Ashel	TE
*Chaffin, Sadie M.	EST	2 Patterson	386 & 387	Rt. 4, Rhamkatte Rd.	
Chambers, C. L.	S.S.S.	Watauga Bk. Shop	337	2804 Hillsboro St.	TE
*Chamblee, Douglas S.	FC	154 Williams	324	2125 Buckingham Rd.	TE
*Champion, Hubert M., Jr.	AGE	Ag. Engr. Bldg.	484	1408 Courtland Dr.	TE
*Chaplin, Robert L.	PY	312 Daniels	353	H-3 Shelton Apts.	
Chapman, Robert E., Jr.	Printing	Print Shop	281	706 W. Aycock St.	TE
*Chappell, Gorman D.	Tex. Res.	233 Nelson Tex.	414	322 Maywood Ave.	TE
Chears, Margaret A.	Col. Ext. Div.	1911 Bldg.	467	410 N. Blount St.	TE
Chesnut, Roberta T.	Nat'l Sci. Reg.	107 1911 Bldg.	265	Raleigh Apts.	TE
*Chew, Victor	EST	118 Patterson	313 & 335	3807 Poole St.	TE
*Christian, John A.	Ag. Ext.	203 Polk	269	310 Meredith St.	TE
*Chumney, Waverly T.	AGC	201D Patterson	355	2355 McMullan Circle	TE
Cipolloni, Mary A.	EST	101E Patterson	313 & 335	226 E. Park Dr.	TE
Clark, Anne J.	EST	5 Patterson	386 & 387	10 Enterprise	TE
*Clark, Eunice W.	PP	113 Gardner	373	Rt. 1, Clayton	
*Clark, Joseph D.	ENG	119 Winston	325	15 Furches St.	TE
Clark, Margaret E.	Ag. Ext.	206 Ricks	410	2602 Cambridge Rd.	TE
*Clarke, Alisone M.	EC	111 Peele	333	3413 Churchill Rd.	TE
*Clarke, Lewis	DN	217 Brooks	438	1322 Mordecai Dr.	TE
*Clarkson, John M.	MA	206 Tompkins	296	2605 Clark Ave.	TE
*Clawson, Albert J.	A.I.	214 Polk	326 & 276	325 Meredith St.	TE
*Clayton, C. N.	PP	7 Gardner	381	2607 Van Dyke Ave.	TE
*Clayton, Maurice H.	EM	948 Mann	317	1307 Brooks Ave.	TE
*Cleary, John J.	ME	117 Broughton	450	3200 Milton Rd.	TE
*Clements, John L.	PE	Gymnasium	406 & 212	2233 Dixie Trail	TE
*Clogston, Roy B.	Athletic	105 Coliseum	TE 2-9407	2503 Glenwood Ave.	TE
*Coates, Edwin S.	Ag. Ext.	314 Ricks	274 & 380	Rt. 4, Walnut Trail	TE
*Cochran, Fred D.	HRT	120 Kilgore	275 & 455	2620 Churchill Rd.	TE
Cockerham, C. Clark	EST	1D Patterson	386 & 387	2110 Dixie Trail	TE
*Coffey, Reid E.	Printing	Print Shop	281	706 Hamilton Rd.	TE
*Coggin, James K.	AED	103 Tompkins	257	Cary, N. C.	HO
*Cole, James L.	SS	213 Winston	200	Rt. 2, Garner, N.C.	EM
*Cole, Lena G.	Bus. Off.	1 Holladay	442	5 Rosemary St.	TE
*Cole, Leo B.	Boarding	Leazar	TE 3-4825 - 6	1200 Carleton Ave.	TE
*Cole, Sarah F.	TX	204 Nelson Tex.	417	Rt. 4, Avent Ferry Rd.	TE
*Coleman, Nathaniel T.	SOI	354 Williams	290	2719 Ashland Ave.	TE
*Collins, Emerson R.	Ag. Ext.	252 Williams	204	2713 Rosedale	TE
*Collins, Herbert	SOC & ANT	201B Peele	374	902 Chaney Rd.	TE
Collins, Velna M.	Reference	D H Hill Library	302	1208 College Pl.	TE
*Collins, W. B.	Ag. Ext.	303 Ricks	388		
*Collins, William K.	FC	451A Williams	334	Apt. J-1, Co. Cl. Homes	TE
*Colvard, Dean W.	Agriculture	115 Patterson	211 & 362	1440 Dixie Trail	TE
*Combs, Dr. Jos. J.	Infirmary	Prof. Bldg.	TE 2-6252	2125 White Oak Rd.	TF
*Connell, Myrtle N.	College Union	C. U.	TE 4-7210	704 Tyler Rd.	TE
Connell, Rachel L.	Purchasing	200 Morris	450	1313 College Pl.	TF
*Conner, N. White	Eng. Res.	124 Riddick	248 & 403	3006 Ruffin St.	TF
Conway, Eustace R.	CHE	208 Riddick	357	1536 Carr St.	TF
Cook, Freeman W.	PSC	118 Scott	368	1621 Park Dr.	TF
*Cook, Hilliard D.	PPT	Pulp & Paper Lab.	485	1820 White Oak Rd.	TF
*Cook, John O.	PSY	123 Tompkins	286	2329 Grant Ave.	TF
*Cooke, Annie P.	Tel. Ex.	116 Winston	0	1803 Bickett Blvd.	TF
*Cooke, Henry C.	MA	209 Tompkins	296	3354 Hampton Rd.	TF
*Cooper, Melvin E.	PE	Gymnasium	496 & 212	3035 Medlin Dr.	TF
*Cooper, W. E.	PP	211 Gardner	310	Rt. 4, Jones Ave.	TE
*Cope, Will A.	FC	162 Williams	324	Rt. 4, Raleigh	TF
*Code, Ralph L.	IE	Park Shops	245	Dunn Ave., Vetville	TE

*Married
†Widowed

<i>Name</i>	<i>Dept.</i>	<i>Office</i>	<i>Ext.</i>	<i>Address</i>	<i></i>
*Copeland, Otis B.	Ag. Inf.	112 Ricks	TE 2-6541 & 472	3341 Hampton Rd.	TE 4
*Cornelison, Ann M.	EM	242 Mann	317	304½ Forest Rd.	TE 4
*Correll, Franklin E.	HRT	228 Kilgore	318	3207 Leonard St.	TE 4
*Corter, Harold M.	PSY	109 Tompkins	365	3211 Arthur Ct.	TE 3
*Cote, Daniel N.	CE	132 Mann	391	2300 Van Dyke Ave.	TE 4
*Council, Robert R.	Ag. Ext.	141 Gardner	201	1126 Brighton Rd.	TE 4
*Coutu, Arthur J.	AGC	201F Patterson	359	3043 Farrior Rd.	TE 4
*Covey, Frank S.	AS	139 Coliseum	314	2329 Lyon St.	VA
*Cox, Charles E.	TX	B37 Nelson Tex.	412	413 Stacy St.	TE 3
*Cox, Daisy M.	TX	122 Nelson Tex.	273	800 Ravenwood Dr.	TE 2
Cox, Florence	Ag. Ext.	301 Ricks	388	111 Chamberlain St.	TE 2
Cox, Gertrude M.	EST	110 Patterson	375	1324 Chambers Ave.	TE 2
*Cox, Joseph H.	DN	212 Brooks	437	Rt. 4, Walnut Trail	TE 4
*Cox, Paul M.	TX	323 Nelson Tex.	413	800 Ravenwood Dr.	TE 2
*Cox, Pearl O.	Tex. Res.	325 Nelson Tex.	413	Apt. 21-H, Vetville	
†Coxe, Mary Frances	Ag. Ext.	328 1911 Bldg.	465	3029 Farrior Rd.	TE 3
Craddock, Anne	DN	200 Brooks	343	H5 Grosvenor Gardens	TE 2
*Craig, Harris B.	AI	214 Polk	276 & 326	609 Buck Jones Rd.	TE 4
*Craig, Doris L.	SOI	327 Williams	209	607-C Daniels St.	TE 3
*Craig, F. R.	PO	108 Scott	366	909 Frances Dr., Garner	EM 2
Craig, Margaret F.	GN	345 Gardner	385	607-C Daniels St.	TE 3
*Cranor, Winifred H.	Tex. Res.	10 Nelson Tex.	288	2718 Bedford Ave.	TE 3
*Crawford, Albert	IRR	Field House	350	214 S. King Charles Rd.	TE 3
Crawford, Joan E.	PY	121 Riddick	492	3204 Clark Ave., Ext.	TE 2
*Crawford, John W.	Ag. Ext.	134 1911 Bldg.	396	3204 Clark Ave.	TE 2
*Crawford, Ora J.	Ag. Exp. Sta.	104 Patterson	444	2209 Sheffield Rd.	TE 2
*Crenshaw, Josephine D.	PP	207 Gardner	310	2325 Woodrow Dr.	TE 4
*Croom, Aldith A.	Ag. Ext.	202 Polk	269	1213 Mitchell St.	TE 3
*Croom, Ruth S.	MI	109 Page	249	Rt. 1, Knightdale, N. C.	CO 6
Crump, Ila M.	Infirmary	Clark Hall	TE 2-7615	1806 Hillsboro St.	TE 3
*Crump, Patsy R.	Infirmary	Clark Hall	TE 2-7615	1510 Simpkins St.	TE 3
*Crumpler, Frankie B.	CHE	113 Riddick	301	2307 Byrd St.	TE 3
Cullins, Marie K.	AGC	201 Patterson	359	2421 Hickory Rd.	TE 3
Current, Ruth A.	Ag. Ext.	101A Ricks	244	Raleigh Apts., C-2	TE 2
*Curtis, John M.	Ag. Ext.	220E Patterson	291	Rt. 4, Raleigh	TE 4
Dakin, Rowena	Ag. Ext.	111 Ricks	271	2402 Clark Ave.	TE 3
*Daniel, Harry T.	Ag. Inf.	120 Ricks	279	5207 Melbourne Rd.	VA
			or TE 2-6541		
Daniels, Shirley	OIG	236 1911 Bldg.	478	615 S. Boylan Ave.	TE 3
Daoud, June	AI	An. Dis. Lab.	486	203 N. West St., Cary	HO 1
*Davis, Lewis J.	Tex. Res.	325 Nelson Tex.	413	Rt. 3, Wake Forest, N. C.	
*Davis, Philip H.	ENG	123 Winston	325	814 Woodburn Rd.	TE 3
*Davis, Rachel K.	REG.	13A Holladay	205 & 219	Apt. A-5, 3109 Hillsboro St.	TE 3
*Davis, Walter H.	FC	186 Williams	324	1145 Brighton Rd.	TE 3
*Davis, William H.	FC	114 Williams	222	UK 34 Vetville	TE 3
*Davis, William R.	PY	400 Daniels	483	2610 Van Dyke	TE 3
*Dayberry, Charlie D.	Tex. Res.	140 Nelson Tex.	416	603 N. Blount St.	TE 3
*Deal, Barbara C.	Ag. Ext.	318 Ricks	274 & 389	10-H Vetville	
*Debnam, Joshua	BO	227 Gardner	379	1312 Oakwood Ave.	
†Denmark, Florence V.	RS	340 1911 Bldg.	312	2210 St. Mary's St.	TE 3
*Denton, Thomas J.	MS	154 Coliseum	233	2709 Crestline Ave.	TE 3
*Derbyshire, Stephen W.	Eng. Res.	1 Riddick Annex	347	3600 Harris Rd.	TE 3
*Derr, Paul H.	PE	Gymnasium	496 & 218	105 Edinburgh Rd.	TE 3
*Dickens, J. William	AGE	111 Ag. Engr. Bldg.	475	1508 Simpkins St.	TE 3
*Dickerson, Anne B.	Tex. Res.	106 Nelson Tex.	273	2713-A Clark Ave.	
*Dickson, Eleanor A.	Bus. Off.	103 Holladay	443	1433 Beaver Dam Rd.	TE 3
*Dillard, Emmett U.	AI	217 Polk	326 & 276	1326 Duplin Rd.	TE 3
*Dilley, Marion N.	AI	315 Polk	241	1109 Brooks Ave.	TE 2

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Dixon, Daniel R.	EC	111 Peele	333	102 Shelley Rd.	TE 4
*Dixon, Lyman B.	Ag. Ext.	208 Ricks	410	Rt. 4, Jones-Franklin Rd.	TE 3
*Dobson, Sam H.	Ag. Ext.	152 Williams	263	2128 Buckingham Rd.	TE 2
*Doby, Bernice F.	Bus. Off.	B Holladay	278	415 S. Boylan Ave.	TE 2
Dodd, Essie Mae	Order	D. H. Hill Library	344	1715½ Park Dr.	TE 4
*Dogger, James R.	ENT	228 Gardner	384	2813 Mayview Rd.	TE 3
*Doggett, J. Frank	Ag. Ext.	387 Williams	363	6303 Hilltop Dr.	TE 3
*Dolly, Forrest G.	MA	204 Tompkins	226	800 Dixie Trail	TE 3
*Doolittle, Jesse S.	ME	229 Broughton	447	1730 Piccadilly Lane	TE 3
*Dorsey, W. E.	AI	An. Dis. Lab.	486	3925 Western Blvd.	TE 3
*Doshier, Doris A. B.	Ag. Ext.	317 Ricks	274 & 389	2306 Fairview Rd.	TE 2
*Dough, Robert L.	PY	310 Daniels	353	1425 Beaver Dam Dr.	TE 2
*Dover, Mildred H.	Tex. Res.	325 Nelson Tex.	413	1061½ Logan Court	TE 2
Drenowatz, Margaret C.	Tob. Lit. Ser	D. H. Hill Library	477	20 Mayo St., Apt. D-1	TE 2
Drewry, Aubrey L., Jr.	EC	111 Peele	333	1507 Ambleside Dr.	TE 2
*Drum, Vernon B.	MS	154 Coliseum	233	3211 Burns Pl.	TE 2
Dudley, Inez	Ag. Ext.	262 Kilgore	407	1100 Daniels St.	TE 2
*Duncan, John G.	M & O	1 Morris	234	Garner, N. C.	EM 2
*Dunlap, George H.	TX	110 Nelson Tex.	421	605 Lake Boone Trail	TE 2
Dunlap, Helen M.	AGC	215 Patterson	469	1511 Scales St.	TE 2
*Dunston, Deport	AGE	Ag. Engr. Bldg.	484	Method, N. C.	TE 2
Earp, Jo M.	Ag. Ext.	213 Ricks	354	J-3-A Cameron Ct. Apts.	TE 4
*Eason, Glenn A.	EM	248 Mann	317	H-4 Shelton Apts.	TE 4
*Economys, James N.	College Union	C. U.	TE 4-7318	2711 Barmettler St.	TE 4
*Edgerton, Moretta D.	N.C. Crop Imp.	193 Williams	207	Buies Creek, N. C.	Buies Creek
		or TE 4-7542			
*Edsall, Katherine A.	Circulation	D. H. Hill Library	372	205 Woodburn Rd.	TE 4
*Edsall, Preston W.	HI & PS	112 Winston	356	205 Woodburn Rd.	TE 4
*Edwards, Earle L.	Athletic	130 Coliseum	TE 2-6934	613 Dixie Trail	TE 4
*Edwards, Jennings B., Jr.	PE	Gymnasium	496 & 218	Tucker Dormitory Apts.	TE 4
*Edwards, John C.	TX	B37 Nelson Tex.	412	410 W. Jones St.	TE 4
*Edwards, Melba J.	EST	7 Patterson	386 & 387	205 E. Whitaker Mill Rd.	TE 4
Edwards, William F.	SS	209 Winston	200	212 Alumni Bldg.	TE 4
*Eldridge, Herbert G., Jr.	ENG	11 Winston	325	354 Wilmot Dr.	TE 4
*Elledge, Clifford	FC	112 Williams	222	Rt. 4, Raleigh	TE 4
*Elledge, Wayne	SOI	380 Williams	363	Rt. 1, Apex, N. C.	TE 4
Ellen, Melba E.	Circulation	D. H. Hill Library	372	807 Glenwood Ave.	TE 4
Elliott, Cecil D.	DN	312 Brooks	437	825-D Daniels St.	TE 4
*Elliott, Robert N.	SS	213 Winston	200	2411 Greenway Ave.	TF 4
*Ellis, Don E.	PP	114 Gardner	373	324 Shepherd St.	TE 4
*Ellis, Howard M.	Ag. Ext.	316 Ricks	274 & 389	Rt. 4, Walnut Trail	TE 4
*Elmore, Thomas M.	Student Affairs	202 Holladay	397	F-5 Shelton Apts.	TF 4
*English, Corinne G.	Ag. Ext.	306 Ricks	221	E-4 Raleigh Apts	TF 4
*Erdahl, Gerald O. T.	College Union	216 C. U.	TE 4-7310	2106 St. James Rd.	TF 4
*Etchells, John L.	AI USDA	312 Polk	206	122 Faircloth	TF 4
*Evans, Harold J.	BO	225 Gardner	379	3448 Bradly Pl.	TE 4
*Everleigh, Ailene B.	SOI	356 Williams	290	20-E Verville	TE 4
Ezell, Peggy L.	EE	320 Daniels	236	222 N. Person St.	TE 4
*Fadum, Ralph E.	CE	354 Mann	432	3056 Granville Dr.	TE 4
*Fahmy, Abdel A.	MI	109 Page	240		TE 4
*Fails, Emol A.	EC	116 Peele	333	1004 Schaub Dr.	TF 4
*Faires, Virgil M.	ME	307 Broughton	448	612 Transylvania	TE 4
*Faison, Odell J.	Tex. Res.	140 Nelson Tex.	416	O'Hara, Dr., Clayton, N. C.	TE 4
Farkas, Al C.	CE	342 Mann	391	B-4 Raleigh Apts.	TF 4
Farlow, Frank B.	Printing	Print Shop	281	208 Maywood Ave.	TF 4
*Farrell, Richard H.	Bus. Off.	7 Holladay	494	116 Byron Pl.	TF 4
*Farrier, Maurice H.	ENT	340 Gardner	409	Rt. 6, Raleigh	TE 4

*Married
•Widowed

Name	Dept.	Office	Ext.	Address	
*Farris, Donald E.	Ag. Ext.	209D Patterson	291	3340 White Oak Rd.	TE
*Farthing, Barton R.	AI	115 Polk	268	Rt. 4, Raleigh	EL
*Farthing, Selma T.	AI	16 Polk	268	Rt. 4, Raleigh	EL
*Featherston, Dorothy S.	EST	16 Patterson	386 & 387	1513 Fairview Rd.	TE
*Ferenczi, Istvan	MI	207 Page	304	313 W. Park Dr.	TE
*Ferguson, John C.	Ag. Ext.	313 Ricks	274 & 389	1213 Dixie Trail	TE
*Ferguson, Rachel H.	Ag. Ext.	213 Ricks	354	301-A Boylan Apts.	TE
*Ferneyhough, Richard H.	AI	An. Dis. Lab.	486	Rt. 3, Raleigh	TE
*Fields, Betty L.	Bus. Off.	B Holladay	298	3102 Raymond St.	TE
*Findlay, Norman E.	AGE	304 Mangum	342, 461	5228 Vann St.	
*Fink, John B.	AS	145 Coliseum	314	442 Glenbrook Dr.	TE
			or TE 4-5161		
*Finkner, Alva L.	EST	120G Patterson	TE 3-2454	Edwards Ave.	TE
*Fish, Frederic F.	ZO	167 Gardner	239	825 Woodburn Rd.	TE
*Fishe, Walter L.	AGC	203 Patterson	358		
*Fisher, C. Page	CE	132 Mann	391	8 Maiden Lane	TE
*Fisher, Margaret B.	College Union	C. U.	378	2231 Noble Rd.	TE
*Fite, Robert E.	M & O	115 Morris	392	2517 Clark Ave.	VA
*Fitts, James W.	SOI	210 Williams	470 & 488	1021 Gardner St.	TE
*Fitzgerald, W. Curtis, Jr.	PHI & REL	204 Peele	374	317½ Dixie Trail	TE
*Fleischer, Jack	EST	120F Patterson	TE 3-2454	828 Woodburn Rd.	TE
†Fleming, Katherine B.	Student Affairs	202 Holladay	397	Coats, N. C..	
*Fleming, Wilton L.	Purchasing	200 Morris	230 & 459	3358 Alamance Dr.	TE
*Floyd, Harron O., Jr.	PE	Gymnasium	496 & 218	2328 McMullan Circle	TE
*Folks, Homer C.	SOI	228 Williams	345	Rt. 4	TE
*Fore, Julian M.	AGE	206 Mangum	342, 461	1310 Rand Dr.	TE
*Forrest, Luke A.	SOI	310 Williams	209	1420 Duplin Rd.	TE
*Fortune, Dorothy W.	Student Affairs	201 Holladay	224 or 397	2409½ Everett Ave.	TE
*Foster, Charles I.	SS	220 Winston	200	1308 Gorman Ave.	TE
*Foster, Edward	DN	103 Brooks	438	2713 Kittrell Dr.	
*Fountain, Alvin M.	ENG	121 Winston	325	2620 Mayview Rd.	TE
*Fouraker, Raymond S.	EE	210 Daniels	235	601 Brooks Ave.	TE
Fraker, Anna C.	Eng. Res.	139 Riddick	425	100 Faircloth	TE
*Franklin, Paul L.	Vet. Housing	UK-5 Vetville	TE 2-4306	807 Poplar St.	TE
*Frazier, Joyce W.	AI	317 Polk	241	2616 Noble Rd.	TE
*Frazier, Winston E.	AI	An. Dis. Lab.	486	Jones Franklin Rd.	TE
Freeman, Doris H.	EC	104 Peele	333	1503 Jarvis St.	TE
*Freeman, Virginia W.	Personnel	Primrose	481	604 Harp St.	TE
Freyre, Raoul M.	PY	202 Daniels	483	206 Alumni Bldg.	TE
Fromm, Daniel	PSC	125 Scott	474	801 Morgan St., Apt. 8	TE
*Fulcher, Reubin R.	FC	429 Williams	334	Rt. 1, Raleigh	TE
*Fulghum, James S., Jr.	Dorm. Rental	4 Holladay	349	215 Hillcrest Rd.	TE
Fulmer, Alice R.	PP	5 Gardner	381, 473	1307 Jackson St.	TE
*Futrell, Archie W.	ME	221 Broughton	446	3206 Arthur Ct.	TE
*Gaither, John B.	TX	226 Nelson Tex.	289	2349 Churchill Rd.	TE
*Galvin, Thomas J.	AI	An. Dis. Lab.	486	912 Carolina Pines Ave.	VA
*Gardner, L. B.	FC	156 Williams	324	906 Marlborough Rd.	TE
*Gardner, Monroe E.	HRT	122 Kilgore	275 & 455	2708 Bedford Ave.	TE
*Gardner, Susan L.	AGC	215 Patterson	469	2315 Van Dyke Ave.	TE
*Gardner, Thomas H.	AGE	106 Ag. Engr. Bldg.	475	3513 Neal St.	TE
*Garren, Henry W.	PSC	224 Scott	368	Rt. 4, Box 125	TE
*Garren, Martha J.	MA	205 Tompkins	226	Rt. 4, Box 125	TE
*Garrison, Walter S.	Tex. Res.	140 Nelson Tex.	416	418 Lamont St.	TE
*Garriss, Howard R.	PP	9 Gardner	336	3220 Bedford Ave.	TE
*Gartner, John B.	HRT	130 Kilgore	275 & 455	3230 Birnam-Wood Rd.	TE
*Gast, Barbara S.	Textiles	B43 Nelson Tex..	414	RFD 4, Raleigh	HO
*Gast, Robert T.	ENT	235 Gardner	384	Rt. 4, Raleigh	HO
Gay, Pauline I.	FC	254 Williams	262	1304 Park Dr.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Geanes, Emma G.	ENG	118A Winston	325	402 Columbia Dr.	TE
†Geile, Dorothy T.	TX	106 Nelson Tex.	422, 273	2509 Glenwood Ave.	TE
*Gentry, Jerlene J.	HRT	226 Kilgore	318	2706 Clark Ave.	
*George, James D.	Ag. Ext.	104 Polk	277	Rt. 4, Raleigh	TE
*Germaine, Jeanette C.	Nat'l Sci. Reg.	107 1911 Bldg.	265	Box 638, Cary, N. C.	
*Germaine, W. Henry	AGE	200 Mangum	342, 461	Box 638, Cary, N. C.	
*Gerstel, Dan U.	FC	486 Williams	300	1410 Duplin Rd.	TE
Gibbs, Eleanor	HRT	3 Kilgore	275 & 455	Country Club Homes	VA
Gilbert, John H.	ENG	117 Winston	325	819-C Daniels St.	TE
*Giles, G. Wallace	AGE	203 Mangum	405	1000 Chamberlain St.	TE
*Giles, Jane H.	BO	252 Gardner	267 & 379	College View Trailer Park	EL
Gilliam, M. Sue	CH	316 Withers	339	Apex, N. C.	TE
*Gilmore, Robert C.	WT	256 Kilgore	270	19 Dixie Trail	TE
*Glass, George G.	S.S.S.	YMCA	TE 2-3674	2707 Bedford	TE
			or 225		
*Glazener, E. W.	PSC	119 Scott	280	3424 Lewis Farm Rd.	TE
*Glazener, Julian A.	Ag. Ext.	134 1911 Bldg.	396	700 Dixie Trail	TE
*Glenn, Karl B.	EE	210 Daniels	235	309 N. Bloodworth	TE
*Glover, Jo Ann	DN	200 Brooks	250	2642 Oberlin Rd.	TE
*Glover, John W.	Ag. Ext.	313 Ricks	274 & 389	2642 Oberlin Rd.	TE
*Godfrey, Marvin R.	N.C. Crop Imp.	193 Williams	TE 4-7542	R-4, Jones Ave.	TE
			207		
*Godwin, Kay P.	Tex. Res.	B46 Nelson Tex.	414	1112 Holburn	TE
*Goetze, Alfred J.	EE	110 Daniels	235	615 Stacy St.	TE
Goldhammer, Bernard	ME	117 Broughton	246	2016-C Smallwood Dr.	
*Goldsmith, Richard W.	ENG	217-219 Winston	325	308 Pogue St.	TE
*Goldston, Eugene F.	SOI	387 Williams	363	5310 W. Lakeside Dr.	TE
*Goldthwait, Charles F.	Tex. Res.	126 Nelson Tex.	413	2112 Ridge Rd.	TE
Good, Ruth	AGC	202 Patterson	359	U-5, Raleigh Apts.	TE
*Goode, Lemuel	AI	218 Polk	326 & 276	2303 Clark Ave.	TE
*Goodman, Martha W.	Alumni Aff.	106 Alumni	TE 3-1010	2227 Creston Rd.	TE
			252		
Goodson, Dottie	SOI	222 Williams	470 & 488	507 Cutler St.	TE
Gordon, Pauline E.	Ag. Ext.	210 Ricks	462	Boylan Apts.	TE
*Gouge, Wiley L., Jr.	Concessions	115 Coliseum	452	5309 W. Lakeside Dr.	TE
*Gower, Joseph R.	M & O	Laundry	283	420 Andrews St., Clayton	TE
*Grandage, Arnold H. E.	EST	3 Patterson	386 & 387	3030 Churchill Rd.	TE
*Gray, Clifton W.	PSY	112B Tompkins	401		
*Gray, John L.	Ag. Ext.	260 Kilgore	407	1201 Brooks Ave.	TE
*Green, Dorothy F.	EST	120 Patterson	313 & 335	Rt. 7, Raleigh	TE
Green, Grace M.	Col. Ext. Div.	119 1911 Bldg.	260	F-102 Boylan Apts.	TE
Green, M. Carolyn	Order	D. H. Hill Library	344	107 N. Boylan Ave.	TE
Greene, Minda	Gen. Studies	103 Peele	223	Rt. 1, Garner	EN
*Greene, Ralph B.	AGE	Ag. Engr. Bldg.	484	2106 Highland Rd.	TE
*Gregory, John H.	AI	218 Polk	276 & 326	2402 Greenway Terrace	TE
*Gregory, Walton C.	FC	102 Williams	222	Box 81, Rt. 6, Raleigh	TE
*Griffin, Ann M.	College Union	C. U.	TE 4-7310	19-D, Verville	
Griffin, Hazel	ENG	17-19 Winston	325	407 Dixie Trail	
*Griffin, Wade E.	Eng. Res.	10 Riddick	425	Rt. 4, Raleigh	TE
*Grinnells, Claude D.	AI	114 Polk	305	409 Dixie Trail	TE
*Griset, Iona T.	REG	13B Holladay	351	1623 Dixie Trail	TE
*Groff, John C.	TX	B37 Nelson Tex.	412	410 S. Boylan Ave.	TE
*Grosch, Daniel S.	GN	350 Gardner	385	1222 Duplin Rd.	TE
*Gross, Harry D.	FC	186 Williams	324	1009 Gardner St.	TE
*Grover, Elliot B.	TX	111 Nelson Tex.	327	804 Lake Boone Trail	TE
*Gullette, Florence M.	Col. Ext. Div.	113 1911 Bldg.	260	2714 Everett Ave.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Gullette, George A.	SS	212 Winston	200	2714 Everett Ave.	TE
*Gurley, S. Millicent	Ag. Ext.	104½ Polk	277	UK-41, Vetville	TE
*Gussow, Roy	DN	114 Brooks	438	110 Cox Ave.	TE
*Guthrie, Frank E.	ENT	231 Gardner	384	606 Stacy	TE
*Hackler, William C.	MI	111 Page	249	3035 Lewis Farm Rd.	TE
*Hader, Robert J.	EST	118 Patterson	313 & 335	Rt. 1, 313 Oakview Dr.	TE
*Hager, Louise F.	Vis. Aids	3 Ricks	330	106 Montgomery St.	VA
*Haig, Frederick M.	AI	113 Polk	268	Rt. 6, Creedmore Rd.	TE
*Hairr, James O.	AI	An. Dis. Lab.	486	Cary, N.C.	
*Haithcock, Irene N.	CH	3 Withers	383	110 Jones-Franklin Rd.	TE
*Hall, Geraldine A.	Ag. Ext.	104 Ricks	213	33 Bagwell Ave.	TE
*Hall, J. Curtis	Bus. Off.	B Holladay	278	3402 Hampton Rd.	TE
Hall, John L.	CH	402A Williams	272	415 Morrison Ave.	TE
*Hall, Ruth B.	ML	205 Peele	231	1812 Grant Ave.	TE
*Hall, Roy L.	Tex. Res.	325 Nelson Tex.	413	718 Penn Rd.	
*Halliday, E. M.	SS	211 Winston	200	3400 Cherry Lane	TE
*Halperen, Max	ENG		325	2706 Ashland Ave.	TE
*Hamby, D. S.	TX	113 Nelson Tex.	327	305 King Charles Rd.	TE
*Hamilton, C. Horace	RS	340 1911 Bldg.	312	1515 Duplin Rd.	TE
Hamilton, Helga D.	Tex. Res.	B48 Nelson Tex.	416	1315 Beaver Dam Dr.	TE
Hamilton, Hubert E.	AI	Basement, Polk	TE 3-0531	Rt. 3, Raleigh	
*Hamilton, Shirley G.	Bus. Off.	B Holladay	278	21-F Vetville	TE
*Hammill, Shirley L.	Tex. Res.	B50 Nelson Tex.	414	815-C Daniels St.	TE
Hancock, Joseph S.	Ag. Inf.	116 Ricks	208	115 Forest Rd.	TE
*Hannon, Elizabeth L.	Box Off.	101 Coliseum	TE 2-0523	2705 Rothgeb Dr.	TE
*Hanson, Clarence H.	FC	182 Williams	324	2132 Buckingham Rd.	TE
*Hanson, Karl P.	ME	211 Broughton	449, 246	804 Rosemont	TE
*Hardee, Joseph E.	EM	244 Mann	317	5200 W. Lakeside Dr.	TE
*Hardee, Joseph G.	Ag. Ext.	326 1911 Bldg.	465	408 Chamberlain St.	TE
Harden, Kath	Reg.	10 Holladay	351	1615 Hillsboro St.	TE
Hardin, James W.	BO	249 Gardner	267	1014½ Canterbury Rd.	TE
†Hardwicke, Callie C.	Ag. Ext.	210 Ricks	462	1214 Cowper Dr.	TE
*Harkema, Reinard	ZO	363 Gardner	261, 445, 299	1430 Chester Rd.	TE
*Harmon, Sadie J.	ENG	217-219 Winston	325	2223 Byrd St.	TE
*Harness, Floyd G.	Vis. Aids	7 Ricks	330	737 St. George Rd.	TE
*Harp, Franklin R.	Printing	Print Shop	281	Rt. 6, Raleigh	
Harrell, Cleon	EC	107 Peele	333	635-C Daniels St.	
Harrell, Eleanor S.	SOI	428 Williams	334	Rt. 4	TE
*Harrell, George H.	MI	109 Page	249	901 Lorimer Rd.	TE
*Harrey, Lewis C.	MS	154 Coliseum	233	4 Rosemary St.	
*Harrill, L. R.	Ag. Ext.	200 Ricks	214	1607 Iredell Dr.	TE
*Harrington, Walter J.	MA	235 Riddick	436	3010 Ruffin St.	TE
		223 Tompkins	228		
*Harris, Allan N.	EE	111 Daniels	235	2617 Garner Rd.	TE
Harris, Anna M.	MA	205 Tompkins	226	125½ Woodburn Rd.	TE
*Harris, Betty L.	TX	115 Nelson Tex.	420	114 Faircloth St.	
Harris, Donald G.	SOI	322 Williams	209	8 Ferndell Lane	TE
*Harris, Elaine T.	Engineering	229 Riddick	216	2836 Oberlin Rd.	TE
*Harris, Howard B., Jr.	Printing	Print Shop	281	613 Gaston St.	TE
Harris, Mary E.	Ag. Ext.	301 Ricks	388	2101-C Van Dyke Ave.	TE
*Harris, Minnie C.	PY	306 Daniels	353	1203 Filmore St.	TE
*Harris, Nelda J.	PSC	108 Scott	366	19-B Vetville	
*Harris, Robert J.	Agriculture	111 Patterson	362	1208 College Pl.	TE
*Harrisberger, Lee E.	ME	315 Broughton	448	3205 Dell Dr.	TE
Harrison, Thomas E.	Tex. Res.	233 Nelson Tex.	414	Rt. 1, Wake Forest, N. C.	
Hart, C. A.	WT	156 Kilgore	270	2636 Kilgore Ave.	TE
*Hart, C. W.	Foundations	A Holladay	322	405 Perry St.	TE
Hartley, Lodwick	ENG	118 Winston	237	812 E. Gardner Dr.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Hartman, Ruth	Engineering	232 Riddick	332	2413 Greenway Terrace	VA
*Harvey, Paul H.	FC	258 Williams	217	1311 Mayfair	TE
*Harward, Emma G.	Purchasing	200 Morris	230 or 459	929 St. Mary's St.	TE
*Harwood, D. G.	Ag. Ext.	209 Patterson	291	349 Wilmot Dr.	TE
*Haskins, Albert L., Jr.	DN	301 Hillsboro	TE 4-0359	2331 Churchill Rd.	TE
*Hassler, Francis J.	AGE	202 Mangum	342, 461	1404 Eden Lane	TE
*Hassler, William W.	ZO	164 Gardner	239	14 Bagwell Ave.	TE
*Hawkins, Carol A.	SOI	306 Williams	209	1341 Chester Rd.	TE
*Hawkins, Ralph O.	College Union	C. U.	TE 4-7318 TE 4-7319	2914 O'Berry St.	TE
*Hawks, S. N.	Ag. Ext.	452 Williams	329	2817 Fowler St.	TE
*Hayes, Arthur C.	TC	2 Nelson Tex.	288	3008 Ruffin St.	TE
*Hayes, Marvin E.	Printing	Print Shop	281	Box 1709, Hillsboro, N. C.	C.
*Haynes, Frank L.	HRT	208 Kilgore	318	2101 Buckingham Rd.	TE
*Haynie, Russell M.	Col., Ext. Div.	129 1911 Bldg.	467	3805 Greenwood St.	TE
*Hays, Ned S.	AS	145 Coliseum	314	1225 Chaney Rd.	TE
			or TE 4-5161		
Haywood, Patsy J.	Grad. Sch.	145 Gardner	429	211 Hawthorne Rd.	TE
*Heard, Eulah V.	Ag. Ext.	309 Ricks	367	3109 Georgian Terrace	TE
*Heardt, Sophie P.	Col. Ext. Div.	117 1911 Bldg.	260	1820 Wilshire Ave.	TE
*Heaton, Richard S.	College Union	C. U.	TE 4-7310	2615 Wells Ave.	TE
*Hebert, Teddy T.	PP	205 Gardner	382	718 Runnymede Rd.	TE
*Hefti, Heinz	Tex. Res.	126 Nelson Tex.	413	2744 Rosedale Ave.	TE
*Hegwood, Orville L.	MS	154 Coliseum	233	RFD 3, Raleigh	
*Height, Jackie N.	Alumni Aff.	106 Alumni	252	Rt. 2, Raleigh	TE
*Helguera, J. Leon	HI & PS	109 Winston	356	3119 Douglas St.	TE
*Henderson, Peggy G.	AED	102 Tompkins	257	P. O. Box 10222, Raleigh	TE
*Hennessee, Dewey W.	Ag. Ext.	209C Patterson	291	329 Meredith St.	TE
*Henry, William R.	AGC	201B Patterson	355	2210 Brewer St.	TE
*Hensley, Bill F.	Athletic	124 Coliseum	TE 3-5620	2717 Toxey Dr.	TE
*Henson, Faye G.	GN	252 Kilgore	270	3010 Leonard St.	TE
†Henson, Ruth S.	Bus. Off.	5 Holladay	441	2006 A Smallwood Dr.	TE
*Henson, Wiley H.	AGE	108 Ag. Engr. Bldg.	475	5132 Jeffries Rd.	TE
*Hentz, Robert R.	CH	311 Withers	339	2707 Van Dyke Ave.	TE
Hester, Mary Frances	Ag. Ext.	108 Ricks	213	1426 Mordecai Dr.	TE
*Heurtley, Richard W., Jr.	SS	211 Winston	200	209 Alumni Bldg.	TE
*Heuser, Robert N.	MS	154 Coliseum	233	Rt. 3, Raleigh	
*Hiatt, Elaine P.	Reg.	10 Holladay	219	2312 Grant Ave.	
*Hickman, C. Addison	Gen. Stud.	103 Peele	223	3101 Churchill Rd.	TE
*Hicks, W. N.	PHI & REL	204 Peele	374	2505 Vanderbilt	TE
*Higgins, John E.	M & O	111 Morris	451	Rt. 1, Cary	TE
*Highfill, Ulliss O.	SOI	188A Williams	324	700 W. Pineland	TE
*Highfill, W. Lawrence	PHI & REL	204 Peele	374	613 Buck Jones Rd.	TE
*Hilburn, Betty L.	Ag. Ext.	202 Ricks	410	12-C Verville	
*Hill, C. H.	PSC	125 Scott	474	1412 Crest Rd.	TE
Hill, Dorcus L.	SOI	357 Williams	220	211 Groveland Ave.	TE
*Hill, Kenneth L.	FC	483 Williams	300	Box 203, Knightdale	
Hill, Randolph I.	FC	256 Williams	217	2200 Hope St.	TE
*Hilliard, Billy J.	HRT	Old Greenhouse	240	Rt. 2, Apex, N. C.	EL
*Hines, Thomas I.	IRR	Field House	350	519 Transylvania Ave.	TE
*Hinnant, Marion L.	CH	409 Williams	272	215 Ellington, Clayton, N. C.	N. C.
*Hinshaw, Carol D.	S.S.S.	YMCA	TE 2-3674 or 225	E-1-B Shelton Apts.	TE
Hinton, Arthur	SOI	149 Williams	209	5 Wade Ave.	
Hirschmann, Hedwig	PP	2 Gardner	381	Creedmoor Rd.	
*Hitchings, Robert G.	PPT	Pulp & Paper Lab.	485	3427 Redbud Lane	TE
*Hoadley, George B.	EE	320A Daniels	236	3213 Leonard St.	TE
*Hobby, Arlene B.	Ag. Ext.	15 Ricks	234	919 W. South St.	TE
*Hobbs, LaFloyd H.	Ag. Ext.	270 Kilgore	407	Galax Dr.	TE

*Married
†Widowed

<i>Name</i>	<i>Dept.</i>	<i>Office</i>	<i>Ext.</i>	<i>Address</i>	
*Hoch, Arthur M.	PE	Gymnasium	496 & 218	713 St. George Rd.	TE
Hodge, Chloe B.	ENT	142 Gardner	408	1927 Poole Rd.	TE
Hodge, Glynne	IA	106 Tompkins	258	1509 Hillsboro St.	TE
*Hodge, W. Frank	Indus. Exp. Pro.	Old Ceramic	464	Rt. 2, Wake Forest	CO
*Hodne, Thomas H.	DN	314 Brooks	437	1006 Carlton Ave.	
*Hoffman, Juanita M.	AI	111 Polk	305	20-A Vetville	TE
*Hofmann J. V.	FOR	164 Kilgore	282	2800 Fairview Rd.	TE
*Hoggard, David G.	HRT	216 Kilgore	318	16 Horne St.	TE
*Hogge, Lemuel C.	SOI	101 Williams	345	2913 Boone Trail	
*Holden, Carror F.	Bus. Off.	B Holladay	278	1301 Brooks Ave.	TE
*Holland, John H.	AI	Basement, Polk	TE 3-0531	309 Kennedy St.	
*Holler, Dan F.	Ag. Ext.	204 Ricks	410	3340 White Oak Rd.	TE
*Hollowell, M. E.	Ag. Ext.	209 Ricks	212	3012 Randolph Dr.	TE
*Holloway, John L.	CH	26 Withers	339	418 Mial St.	TE
*Holt, Vernon E.	ME	17 Broughton	246	1501 Crest Rd.	TE
*Holtzman, Abraham	HI & PS	115 Winston	356	2522 Medway Dr.	TE
*Homme, Henry A.	AGC	201F Patterson	359	Rt. 4, W. Lakeside Dr.	TE
*Honeycutt, Peggie H.	CH	318 Withers	339	633-C Daniels St.	TE
*Honeycutt, Ruth B.	MA	205 Tompkins	226	1827 Dixie Trail	TE
*Hoover, Maurice W.	HRT	112 Kilgore	275 & 455	5116 Kaplan Dr.	TE
*Horn, J. William	CE	438 Mann	303	608 Kirby St.	TE
*Horner, Bonnie H.	Nat'l Sci. Reg.	107 1911 Bldg.	265	102 Chamberlain St.	TE
*Horton, Almetrice W.	AGC	214 Patterson	308	Box 77, Wilson's Mills	
*Hostetler, Ivan	IA	106 Tompkins	258	2604 Van Dyke Ave.	TE
*Houck, Peggy S.	FOR	162 Kilgore	270	13-C, Vetville	
*Howard, Barbara C.	AI	204 Polk	319	7-G Vetville	TE
*Howard, Margaret F.	Circulation	D. H.. Hill Library	372	2811½ Mayview Rd.	TE
*Howell, Ezra L.	AGE	10J Tompkins	439	Rt. 4, Walnut Trail	TE
Howell, Joyace A.	AI	309 Polk	241	2307 Fairview Rd.	TE
*Howell, Katherine D.	Tex. Res.	126 Nelson Tex.	413	20 Turner St.	
Hudgins, Madge	Ag. Ext.	117 Ricks	255	402 Horne St.	TE
*Huetter, Leo J.	Eng. Res.	131 Riddick	425	3037 Lewis Farm Rd.	
Humphreys, U. J.	S.S.S.	YMCA	TE 2-3674 or 225	2827 Barmettler St.	TE
*Hunt, Ann W.	PY	4 Nuclear Reactor	229	25-D Vetville	TE
*Hunter, Arvel H.	SOI	362A Williams	363	602 Stacy St.	TE
Hunter, Betty	AI	116 Polk	320 & 431	325 S. Academy, Cary	HO
Hunter, Lillian P.	EST	112 Patterson	313 & 335	525 N. East St.	TE
*Hutchins, Lorraine E.	GN	348 Gardner	385	18 A Vetville	VA
Hutchins, Nancy E.	CH	113 Withers	297	1220 Banbury Rd.	TE
*Hutchinson, H. H.	Vet. Housing	UK-5 Vetville	TE 2-4306	Knightdale, N. C.	CO
*Hvatt, George, Jr.	Ag. Ext.	102 Polk	321, 277		
Hyman, Ted M.	Ag. Ext.	113 Ricks	457	633 Daniels St., Apt. D	TE
Idol, Charles A.	WUNC-TV	Western Blvd.	TE 4-6262	16 Enterprise St.	TE
*Ingram, Dorothy F.	MI	109 Page	304	419 Chesterfield Rd.	TE
*Ingram, William P.	CH	220 Withers	339	419 Chesterfield Rd.	TE
*Inscore, Preston L.	Tex. Res.	325 Nelson Tex.	413	146 Summit Ave.	TE
*Ivey, L. L.	S.S.S.	YMCA	TE 2-3674 or 225	202 E. Park Ave.	TE
*Jackle, Roger W.	Tex. Res.	B52 Nelson Tex.	293, 414	5104 Kaplan Dr., Rt. 4	TE
†Jackson, Dorothy A.	PSC	210 Scott	376	2405 Mayview Rd.	TE
Jackson, William A.	SOI	366 Williams	363	2714 Rosedale Ave.	TE
*James, Gerald B.	AED	102 Tompkins	257	813 Runnymede Rd.	TE
*James, H. Brooks	Agriculture	111 Patterson	331	1323 Lutz Ave.	TE
*Jefferies, Susan H.	EST	2A Patterson	386 & 387	214 Faircloth St.	TE
Jenks, Bennie M.	Tex. Res.	233 Nelson Tex.	414	Rt. 3, Wake Forest, N. C.	
Jernigan, Alta M.	Vet. Housing	UK-5 Vetville	TE 2-4306	709 W. Jones St.	TE
*Johannesen, Dell B.	EC	111 Peele	333	Boone Trail, Sanford	SP
*Johns, Kingston, Jr.	Student Affairs	207 Holladay	460	201 Lord Berkeley Rd.	TE
*Johnson, Barbara C.	Dorm. Rental	4 Holladay	349	502 Cutler St.	TE
*Johnson, Dorothy F.	HRT	130 Kilgore	275 & 455	Millbrook, N. C.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Johnson, E. Sigurd	IE	328 Riddick	307	1806 Oberlin Rd.	TE
*Johnson, Elmer H.	SOC & ANT	201 Peele	374	Rt. 6, Arrow Dr.	TE
*Johnson, J. Clyde	PSY	123 Tompkins	286	2602 Wade Ave.	TE
*Johnson, Kay M.	ME	211 Broughton	246	104½ Montgomery St.	
Johnson, Mary Paul	Registration	10 Holladay	219	1909 Clark Ave.	TE
Johnson, William H.	AGE	110 Ag. Engr. Bldg.	475	205 Alumni Bldg.	TE
*Johnston, Alvin M.	TX	133 Nelson Tex.	415	Laurel Hills	TE
*Johnston, Roy J.	WUNC-TV	Western Blvd.	TE 4-6262	2715 Everett Ave.	
*Jolly, Frances A.	Infirmary	Clark Hall	TE 2-7615	2550 Glenwood Gardens	TE
*Jones, Barbara G.	Ag. Ext.	103 Polk	321 & 277	2910 O'Berry St.	
*Jones, Berry E.	Tex. Res.	325 Nelson Tex.	413	Rt. 1, Cary	
*Jones, C. Blanchard	Boarding	Leazar	TE 3-4825 - 6	Six Forks Rd.	TE
*Jones, Edwin L.	FC	122 Williams	222	Rt. 4, Raleigh	TE
*Jones, Gene W.	CE	442 Mann	303	1807½ Sunset Ave.	
† Jones, George D.	Ag. Ext.	141 Gardner	201	1316 Westfield St.	TE
*Jones, Guy L.	FC	430 Williams	334	Rt. 6, Box 68, Raleigh	TE
*Jones, Ivan D.	HRT	114 Kilgore	275 & 455	2710 Rosedale Ave.	TE
*Jones, Lillian	CH	318 Withers	339	2710 Rosedale Ave.	TE
Jones, Margaret A.	PSC	208 Scott	352	B-302 Boylan Apts.	TE
*Jordan, Walter E.	CH	106 Withers	266	2600 Mayview Rd.	TE
*Juhasz, Tibor	Tex. Res.	233 Nelson Tex.	414	115 Harrison Ave.	
Kabo, Judith W.	CH	108 Withers	266	1410 Hillsboro St.	TE
*Kamphoefner, Henry L.	DN	200 Brooks	250	3060 Granville Dr.	TE
*Kamprath, Eugene J.	SOI	382A Williams	363	1008 Nichols Dr.	TE
*Keating, Harold	PE	Gymnasium	496 & 218	2709 Royster Rd.	TE
*Keever, Hazel A.	PSC	109 Scott	366	409 Peartree Rd.	TE
*Keller, Kenneth R.	Ag. Exp. Sta.	106 Patterson	444	Rt. 4, Raleigh	HO
			& TE 2-6526		
*Keller, Walter M.	Ag. Ext.	264 Kilgore	407	2379 McMullan Circle	TE
*Kelley, Jack	Ag. Ext.	203 Polk	269	625 Woodburn Rd.	TE
*Kelley, Robert D.	IE	Park Shops	245	1617 Beaver Dam Rd.	TE
*Kelly, J. W.	PSC	11 Scott	474	313 Furches St.	TE
Kelly, A. Wilton	Printing	Print Shop	281	Rt. 6, Raleigh	TE
*Kelman, Arthur	PP	3 Gardner	473	3430 Redbud Lane	TE
*Kenan, Wilfred M.	Engr. Res.	Riddick Annex	347	3012 Farrior Rd.	TE
Kendrick, Alma M.	Reg.	12 Holladay	205	H-2 Shelton Apts.	TE
*Kendrick, Berdie B.	BO	252 Gardner	267	350 Wilmot Dr.	TE
*Kennedy, Evelyn D.	Ag. Ext.	213 Ricks	354	207 Furches St.	TE
*Kennedy, Frank R.	M & O	Power Plant	234	2634 St. Mary's St.	TE
Kennett, Nell I.	Ag. Ext.	201A Ricks	243	1436 Banbury Rd.	TE
*Kimball, Sarah A.	Ag. Exp. Sta.	101A Patterson	369	330 Wilmot Dr.	TE
*Kincheloe, Henderson G.	ENG	117 Winston	325	210 Furches St.	TE
*King, Cyrus B.	SSS	Watauga Book Shop	337	409 Yarmouth	TE
*King, Edith T.	EST	7 Patterson	386 & 387	Timberlake Rd.	TE
*King, Elsie G.	AGC	201 Patterson	355	Rt. 4, Jeffries Rd.	TE
*King, Ethel R.	Bus. Off.	7 Holladay	494	809-C Daniels St.	TE
*King, Hubert G.	ME	1 Diesel	203	238 Pecan Rd.	TE
*King, James A.	Tex. Res.	B48 Nelson Tex.	416	5128 Jeffries Rd.	TE
*King, Richard A.	AGC	201E Patterson	359	2108 Buckingham Rd.	TE
*King, Virginia	Ag. Ext.	456 Williams	329	3106 Ashel St.	TE
*Kirby, Rosa D.	Tex. Res.	22 Nelson Tex.	288	2816 Everett Ave.	TE
*Kirkland, J. Bryant	Education	119 Tompkins	256	2621 Grant Ave.	TE
*Kiser, Lila H.	Tex. Res.	22 Nelson Tex.	288	604-C Smedes Pl.	TE
*Klibbe, James W.	TX	226 Nelson Tex.	417	1213 Brooks Ave.	TE
*Kline, David M.	PP	204 Gardner	382	2627 Fairview Rd.	TE
*Klingman, Glenn C.	FC	464 Williams	300	1013 Gardner	TE
*Knight, Richard B.	ME	223 Broughton	446	3005 Eton Rd.	TE
*Knott, Fred N.	Ag. Ext.	104 Polk	277	1212 Banbury Rd.	TE
*Kolb, Charles F.	HI & PS	111 Winston	356	Rt. 1, Garner	EM
Koonce, Benjamin	ENG	13 Winston	325	222 Hawthorne Rd.	TE

*Married

†Widowed

Name	Dept.	Office	Ext.	Address	
*Koontz, Doris J.	CH	203 Withers	264	17-E Vetville	
*Kovac, Teddy	AGC	214 Patterson	308	D-1A Cameron Ct. Apts.	TE
*Krusberg, Betty K.	Est	2 Patterson	386 & 387	16 Furches St.	TE
*Kulash, Walter J.	ENT	236 Gardner	384	20 Bagwell Ave.	TE
*Ladd, Lincoln F.	ENG	11 Winston	325	3411 Leonard St.	TE
*Ladu, Arthur I.	ENG	117 Winston	325	802 Lake Boone Trail	TE
†Lambe, Claude M.	CE	254 Mann	303	413 Calvin Rd.	
*Lambert, John R., Jr.	SS	220 Winston	200	Rt. 2, Rock Quarry Rd. Garner, N. C.	TE
*Lamm, Frances E.	PSC	120 Scott	280	Avent Ferry Rd., Box 5074	TE
*Lammas, Elga V.	CH	402 Williams	272	1313 Wake Forest Rd.	TE
*Lamonds, Harold A.	PY	31 Nuclear Reactor	393	3358 Hampton Rd.	TE
*Lampe, J. H.	Engineering	229 Riddick	216	305 Forest Rd.	TE
*Lancaster, Forrest W.	PY	202 Daniels	483	2403 Everett Ave.	TE
*Lane, Franklin A.	AI	Central Station	TE 3-5446	3530 Western Blvd.	TE
*Lane, Mary Jane	WT	168 Kilgore	282	13-D Vetville	TE
Langley, Lorna W.	Ag. Ext.	201A Ricks	243	312 Drewry Lane	TE
*Larson, Norman C.	College Union	C. U.	378	2317 Lyon St.	TE
*Lassiter, Lela B.	AI	115 Polk	268	Apex, N. C.	EL
Lassiter, Louie T.	TX	307 Nelson Tex.	419	1735 Nottingham Rd.	TE
*Latham, Katie G.	RS	333 1911 Bldg.	312	Fuquay Springs, N. C.	
*Leach, Sarah C.	Ag. Ext.	208 Ricks	410	17-F, Vetville	TE
*Lecce, Eileen K.	CH	3 Withers	383	2219 Garden Pl.	
*Lecce, James	AI	An. Dis. Lab.	486	2219 Garden Pl.	
*Ledbetter, Thomas B.	ME	222 Broughton	447	1213 Duplin Rd.	TE
*Lee, Betty J.	AED	103 Tompkins	257	106 Buck Jones Rd.	TE
*Lee, Billy R.	Printing	Print Shop	281	Lombardy St., Clayton, N. C.	
*Lee, John F.	ME & Eng. Res.	309 Broughton	448 & 426	3212 Beaufort St.	TE
*Lee, John H.	Tex. Res.	325 Nelson Tex.	413	P. O. Box 151, Clayton, N. C.	
*Lee, John W.	Printing	Print Shop	281	511 Hamby St., Clayton	
Lee, Mary Em	Ag. Ext.	302 Ricks	221	D-5 Raleigh Apts.	TE
Lee, Umphrey	ENG	119 Winston	325	206 N. Main St., Louisburg	
*Legates, J. E.	AI	115 Polk	268, 360	Rt. 4, Walnut Trail	TE
Leggett, M. Angelum	Ag. Ext.	109 Ricks	292	213 Gardner St.	TE
LeMay, Louise	PP	106 Gardner	380	619 W. Aycock St.	TE
*Lennon, Robert B.	Printing	Print Shop	281	Rt. 4, Raleigh	
*Lentz, Edith G.	Circulation	D. H.. Hill Library	372	1706 Nottingham Rd.	TE
*Leonard, Nels, Jr.	Music	104 Pullen	251	3826 Poole St.	TE
*Leonard, Paul B.	ME	23 Diesel	203	608 Dixie Trail	TE
Leonhardt, William R.	PE	Gymnasium	496 & 218	425 N. Bloodworth St.	
*Levine, Jack	MA	206 Tompkins	226	2731 Rosedale Ave.	TE
*Lewis, Charles F.	MA	208 Tompkins	226	218 E. Park Dr.	TE
*Lewis, John G.	TX	132 Nelson Tex.	415	518 Dixie Trail	TE
*Lewis, Luther E.	PY	101 Daniels	353	701 Colleton Rd.	TE
*Lewis, Malcolm	ME	22 Diesel	203	1002 Trinity Ave., Durham	
*Lewis, Marian S.	Bus. Off.	2 Holladay	443	516 Rose Lane	TE
*Lewis, Mary A.	AI	Basement, Polk	TE 3-0531	7 Dixie Trail	
Lewis, Quentin M.	AS	141 Coliseum	314	1897 W. Smallwood Dr.	TE
*Lewis, William M.	FC	284 Williams	262	1953 Clark Ave.	TE
*Lewontin, Richard C.	GN	349 Gardner	385	219 Oberlin Rd.	TE
Li, Peter	TX	132 Nelson Tex.	415	1210 Glenwood Ave.	TE
*Libby, C. E.	PP I	Pulp & Paper Lab.	485	1430 Brooks Ave.	TE
*Libeau, Clayton P.	Ag. Ext.	220G Patterson	306	334 Wilmot Dr.	TE
*Liggins, Donald W.	Tex. Res.	325 Nelson Tex.	413	133 Prospect Ave.	TE
*Liles, Edith W.	TX	103 Nelson Tex.	289	316 Hudson St.	TE
*Liles, Frances L.	FOR	162 Kilgore	270	Jones Rd.	TE
Lilley, Ann E.	News Bureau	105 Alumni	253	710 Glenwood Ave.	TE
*Lindsey, Quentin W.	AGC	205A Patterson	491	3013 Medlin Dr.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
Lineberry, M. Foy	Catalog	D. H. Hill Library	344	203 Forest Rd.	TE
*Little, Charles H.	MA	208 Tompkins	226	2606 Barmettler	TE
*Little, James H.	PE	Gymnasium 496 &	218	Syme Dormitory Apts.	TE
*Little, John S.	IE	325 Riddick	428	2707 Mayview Rd.	TE
*Little, Ruth W.	HRT	118 Kilgore	275 & 455	Apt. 30-A, Vetville	TE
†Livingston, (Mrs.) John A.	AI	216 Polk	276 or 326	903 W. Johnson St.	TE
*Llewellyn, Robert W.	IE	334 Riddick	428	3439 Redbud Lane	TE
*LoMonte, Vincent J.	Tex. Res.	B46 Nelson Tex.	414	2836 Claremont Rd.	TE
*Long, Ann B.	AGE	200 Mangum	405, 342 or 461	801 Runnymede Rd.	TE
Long, Linwood	MS	Gymnasium	232	619 W. Aycock St.	TE
*Long, William G.	YMCA	YMCA	202	1053 Nichols Dr.	TE
*Looper, Roy A.	Tex. Res.	233 Nelson Tex.	414	Rt. 3, Wake Forest	TE
*Lovvorn, R. L.	Ag. Exp. Sta.	107 Patterson	315	809 Runnymede Rd.	TE
			& TE 2-6526		
*Lowry, Edward M.	ZO	356 Gardner	445 or 239	306 Conner St., Cary	HO
*Lucas, George B.	PP	109 Gardner	380	3040 Churchill Rd.	TE
*Lucas, Henry L., Jr.	EST	101D Patterson	313, 335	2612 St. Mary's St.	TE
*Lucier, Arthur E.	Eng. Res.	9 Riddick	425	704 Runnymede Rd.	TE
*Lunceford, Wendell H.	MS	154 Coliseum	232	416 Webster St., Cary	TE
Lutz, J. Fulton	SOI	224 Williams	345	1401 Dixie Trail	TE
*Lynch, Martha J.	TX Library	112 Nelson Tex.	421	505 Peebles St.	TE
*Lynn, Joseph T.	PY	400 Daniels	483	2606 Van Dyke Ave.	TE
*Lyons, Harry	DN	201 Brooks	361	M-3A Cameron Ct. Apts.	TE
*Lyons, James A.	EC	113 Peele	333	M-3A Cameron Ct. Apts.	TE
*Lytton, Victor H.	Ag. Ext.	105 Polk	277 & 321	4210 Reavis Rd.	TE
*MacKerracher, Robert A.	MA	209 Tompkins	226	2708 Webb St.	TE
*McAllister, Mary L.	Ag. Ext.	205 Ricks	212	20 Enterprise St.	TE
*McBrayer, Elizabeth M.	Ag. Ext.	202 Polk	269	223 Forest Rd.	TE
*McCallum, Andrew B.	AS	8 Pullen	433	906½ Canterbury Rd.	TE
*McCann, Glenn C.	RS	338 1911 Bldg.	312	905 Mordecai Dr.	TE
*McCants, Charles B.	SOI	424 Williams	334	1000 Powell Dr.	TE
*McCollum, Robert E.	SOI	307 Williams	209	Rt. 3	TE
*McCombs, Clarence L.	HRT	220 Kilgore	318	3438 Bradley Pl.	TE
*McCracken, Ralph J.	SOI	360 Williams	220	2328 Grant Ave.	TE
*McCulloch, Joseph A.	MS	154 Coliseum	253	2328 Byrd St.	TE
*McCullough, Charles R.	CE	340 Mann	391	1 Marilyn Dr.	TE
*McCullough, Hilliard B.	AS	139 Coliseum	314	129 Forest Rd.	TE
*McCutchan, Virginia H.	Personnel	Primrose	481	521 N. East St.	TE
McDiarmid, Katharine	TX Library	112 Nelson Tex.	421	224 Chamberlain St.	TE
†McDonald, Mabel P.	Ag. Ext.	117 Ricks	255	1905 McDonald Lane	TE
*McDonald, Patrick H., Jr.	Eng. Res. & ME	144 Riddick	426	126 Henderson St.	TE
		305 Broughton	246		
*McElwee, Robert L.	GN	250 Kilgore	270	1305 Beaver Dam Rd.	TE
*McGailliard, A. Ruble	Serials	D. H. Hill Library	344	408 Glascock St.	TE
*McGee, Lawrence B.	Ind. Exp. Pro.	Old Ceramic	464	3021 Leonard	TE
*McGlamery, Edith B.	Ag. Ext.	211 Ricks	462	210 Wilmot Dr.	TE
*McGurk, Donald J.	MS	154 Coliseum	233		
*McIntyre, Martin L.	HRT	New Greenhouse	418	1206 Anslow Rd.	TE
*McIntyre, Mary E.	RS	339 1911 Bldg.	312	Apt. 7-C, Vetville	TE
*McIver, Julia E.	Ag. Ext.	300 Ricks	221	2202 St. Mary's St.	TE
*McKean, Keith	SS	209 Winston	200	3429 Redbud Lane	TE
*McKimmon, Katharine C.	Ag. Exp. Sta.	107 Patterson	315	2814 O'Berry St.	TE
*McKinney, Muncy B.	AGC	203 Patterson	358	3821 Western Blvd.	TE
*McLaughlin, Foil W.	N.C. Crop Imp.	193 Williams	TE 4-7542 or 207	804 Runnymede Rd.	TE
McLean, Grayce	Bus. Off.	3 Holladay	316	122 Brooks Ave.	TE
*McLeod, Purdy B., Jr.	MS	154 Coliseum	233	227 Union St., Cary	HO

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*McMahan, Sarah J.	AI	317 Polk	241	1619 Craig St.	TE
*McMillan, Harry K.	ME	221 Broughton	446	407 Union St., Cary	HO
*McMillen, Russell W.	N. C. Founda- tion Seed Producers, Inc.	124 Williams	TE 2-1573	3008 Grant Ave.	TE
McNeill, John J.	AI	18 Polk	241	2614 Van Dyke Ave.	TE
*McPherson, Woodrow W.	AGC	203B Patterson	358	2114 Buckingham Rd.	TE
*McSweeney, Guy P.	AS	139 Coliseum	314	1003 Tower St.	TE
*Macon, John A.	Ind. Exp. Pro.	Old Ceramic	464	820 S. Main St.	
				Wake Forest, N. C.	EX
*Maddrey, Hazel Mac	WUNC-TV	Western Blvd.	TE 4-6262	Rt. 6, Leesville Rd.	TE
Maddry, Linda C.	MA	221 Tompkins	227, 228	713 New Road	TE
*Mades, Dorothy J.	TX	113 Nelson Tex.	327	Rt. 6, Galax Dr.	TE
*Maki, T. Ewald	FOM	152 Kilgore	406	1511 Duplin Rd.	TE
*Maltbie, Armstrong	MA	204 Tompkins	226	2829 O'Berry St.	TE
*Mangum, G. Dent, Jr.	Tex. Res.	107A Nelson Tex.	495	Laurel Hills Rd., Rt. 6	TE
*Mann, Carroll L., Jr.	CE	346 Mann	303	1412 Canterbury Rd.	TE
*Mann, Thurston J.	FC	429B Williams	334	710 Runnymede	TE
*Manning, Edward G.	EE	225 Daniels	395	2913 Anderson Dr.	TE
*Manning, Elizabeth H.	CH	318 Withers	339	Rt. 1, Raleigh	TE
†March, Elsa W.	Ag. Ext.	207 Ricks	212	404 W. Whitaker Mill Rd.	TE
*Marks, Olen F.	Tex. Res.	118 Nelson Tex.	419	Pine Dr., Rt. 6	TE
*Marr, Rosemary S.	Printing	Print Shop	281	2520 Clark Ave.	TE
			& TE 3-4151		
*Marsh, C. Paul	Ag. Ext.	325 1911 Bldg.	465	3017 Leonard St.	TE
*Marsh, Ellis C.	FC	156 Williams	324	2505 Beechridge Rd.	TE
*Marshall, Roger P.	ENG	13 Winston	325	1512 Park Dr.	TE
*Martin, Grady A.	PSC	203 Scott	352	2412 Van Dyke Ave.	TE
*Martin, Lee R.	AGC	201C Patterson	355	2120 Buckingham Rd.	TE
*Martin, Ruth T.	Ag. Ext.	212 Ricks	242	H-3 Country Club Homes	TE
*Martin, Thomas J., Jr.	ME	26 Diesel	247	2401 Stafford Ave.	TE
*Mason, David D.	EST	120D Patterson	313, 335	3245 Lewis Farm Rd.	TE
Mason, Eleanor H.	Ag. Ext.	101 Ricks	244	Boylan Apts., F-201	TE
Mason, Roger V.	MS	154 Coliseum	233	227 Elm St.	
*Massey, Hal	IA	108 Tompkins	258	1428½ Mordecai Dr.	TE
Mason, Edna Belle	CE	354 Mann	432	113½ Chamberlain St.	TE
*Matrone, Gennard	AI	311 Polk	241	1333 Duplin Rd.	TE
*Matsumoto, George	DN	313 Brooks	437	821 Runnymede Rd.	TE
Matthews, Joyce E.	Bus. Off.	2 Holladay	443	1107 Mordecai Dr.	TE
*Matthews, Robert E.	Coliseum	116 Coliseum	TE 2-0523	Fairway Acres	TE
*Matthias, Martha F.	CH	15 Withers	383	3113 Douglas St.	TE
*Mattox, John D.	Vis. Aids	3 Ricks	330	305 Wall St., Wendell	FO
Matzinger, Dale F.	EST	1B Patterson	386 & 387	2504 Vanderbilt Ave.	TE
*Mauney, Jack R.	FC	487 Williams	300	2607½ Wade Ave.	TE
*Maupin, Carey J.	PSC	214 Scott	376	Wake Forest, Rt. 2	EX
*May, Eulis L.	HRT	New Greenhouse	418	829 Wilford Rd.	TE
†Maynard, (Mrs.) M. B.	Education	119 Tompkins	256	220 Chamberlain	TE
*Mayo, Selz C.	RS	334 1911 Bldg.	312	2520 Greenway Ave.	TE
*Meares, Jefferson S.	PY	302 Daniels	483	2408 Everett Ave.	TE
*Meares, Samuel H.	Bus. Off.	B Holladay	298	2115 Watkins	TE
*Menius, Arthur C., Jr.	PY	5 Nuclear Reactor	229	541 Hertford St.	TE
*Merriam, Lauren W.	MS	154 Coliseum	233		
*Merritt, Alton B., Jr.	CE	442 Mann	303	2403 Greenway Ave.	VA
†Merritt, Emily W.	Bus. Off.	1 Holladay	442	C-2 Wilmont Apt.	TE
*Merritt, Ernest C.	Tex. Res.	325 Nelson Tex.	413	315 Marsh Ave.	
*Michaels, Albert P.	Athletic	130 Coliseum	TE 2-6934	415 Forsyth St.	TE
*Middleton, George W.	EM	244 Mann	317	2828 Claremont Rd.	TE
*Middleton, Gordon K.	FC	118 Williams	222	2817 Mayview Rd.	TE
*Middleton, Henry M., Jr.	TX	133 Nelson Tex.	415	2208 Creston Rd.	TE
*Middleton, J. Leonard	PHI & REL	204 Peele	374	903 Runnymede Rd.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Middleton, James I.	AI	Basement, Polk	TE 3-0531	Rt. 1, Garner	EM
*Milam, Mary	DN	201 Brooks	361	2733 St. Mary's St.	TE
*Miller, Conrad H.	HRT	212 Kilgore	318	1506 Canterbury Rd.	TE
*Miller, E. L., Jr.	MI	210 Page	304	Box 5606, Raleigh	TE
*Miller, Grover C.	ZO	361 Gardner	261, 445, 239	2418 Mayview	TE
*Miller, Howard G.	PSY	123 Tompkins	286	3421 Churchill Rd.	TE
Miller, Hugh Max	SOC & ANT	201B Peele	374	1957 Clark Ave.	TE
*Miller, Latham L.	IRR	Field House	440	820 Lake Boone Trail	TE
*Miller, Phillip A.	FC	462 Williams	300	3015 Devonshire	TE
*Miller, William D.	FOM	170 Kilgore	270	1907 Victoria Rd.	TE
Mills, Ralph A., Jr.	Vis. Aids	3 Ricks	330	2737 Toxey's Dr.	TE
*Mills, W. C., Jr.	PSC	216 Scott	377	Rt. 2, Apex	EL
*Mills, William T.	AGE	119 Ag. Engr. Bldg.	484	3411 Octavia St.	TE
*Mims, John S.	AI	Basement, Polk	TE 3-0531	Adams St., Cary	HO
†Minter, Aleen K.	M & O	100 Morris	328	1501 Brooks Ave.	TE
*Mintz, C. S.	Ag. Ext.	209 Ricks	212	813 Woodburn Rd.	TE
*Mintz, Elwood	Ag. Inf.	118 Ricks	208	3208 Bertie St.	TE
*Mistric, Walter J.	ENT	328 Gardner	409	Avent Ferry Rd., Rt. 4	TE
*Mitchell, Adolphus	EM	246 Mann	317	3609 Bellevue Rd.	TE
†Mitchell, Margaret J.	Student Affairs	206 Holladay	215	H-9, Raleigh Apts.	TE
†Mitchell, Mary Frances	M & O	110 Morris	451	605 N. Blount St.	TE
*Mitchell, Theodore B.	ENT	399 Gardner	409	1007 W. Peace St.	TE
*Mochrie, Richard D.	AI	111 Polk	305	116 Byrum St., Cary	HO
*Moen, R. O.	EC	113 Peele	333	3202 Clark Ave.	TE
Moffitt, Roy B.	Eng. Res.	Riddick Annex	347	206 Chamberlain St.	TE
*Moll, Robert H.	EST	1A Patterson	386 & 387	Lewis Farm Rd.	TE
*Monroe, Robert J.	EST	120B Patterson	313 & 335	838 Woodburn Rd.	TE
*Montgomery, Calvin C.	AS	141 Coliseum	314	Buffaloe Trailer Pk.	TE
Moore, Frances D.	Order	D. H. Hill Library	344	Rt. 2, Raleigh	TE
*Moore, Frank H.	ENG	7-9 Winston	325	3513 Leonard St.	TE
*Moore, James L.	AI	115 Polk	268	1501 Dixie Trail	TE
*Moore, Robert P.	FC	453 Williams	300	2619 Van Dyke Ave.	TE
*Moore, William G.	Boarding	Leazar	TE 3-4825 - 6	1925 New Bern Ave.	TE
*Morehead, Charles G.	OIG	223 1911 Bldg.	478	303 Dixie Trail	TE
*Moreland, Donald E.	FC	483A Williams	300	4106 Reavis Rd.	TE
*Morgan, Anne M.	Tex. Res.	B48 Nelson Tex.	416	226 Chamberlain St.	TE
*Morgan, John W.	CH	115 Withers	297	2614 Van Dyke Ave.	TE
*Morgan, Marie H.	Printing	Print Shop	281	1440 Curfman St.	TE
*Morris, Christine H.	Tex. Res.	B48 Nelson Tex.	416	1508 Frank St., College View	TE
Morris, Miriam L.	AGC	215 Patterson	469	Trailer Park 124 E. Park Dr.	TE
*Morris, Thomas B.	PSC	215 Scott	377	1003 Gardner St.	TE
Moser, Mary Sue	Ag. Ext.	206 Ricks	410	833-A Daniels St.	TE
Moser, William E.	TX	201 Nelson Tex.	287	300 Brooks Ave.	TE
*Moss, Marvin K.	PY	302 Daniels	483		
Mott, Harold	EE	206 Daniels	235	2018 B Smallwood Dr.	TE
*Mullen, Robert A.	ME	31 Diesel	246	5028 Kaplan Dr.	TE
*Mumford, Carey G.	MA	224 Tompkins	228	712 Brooks Ave.	TE
*Murley, W. Ray	AI	105 Polk	268	206 Furches St.	TE
*Murphy, Robert L.	AS	Gymnasium	232	908 Wade Ave., Garner	EM
Murray, Cleo	Laundry	Laundry	283	Apt. 1, Grosvenor Gardens	TE
*Murray, Edward A.	TX	115 Nelson Tex.	420	3211 Sussex Rd.	VA
*Murray, Frank J.	PE	Gymnasium	496 & 218	1415 Brooks Ave.	TE
*Murray, Raymond L.	PY	3 Nuclear Reactor	229	Creedmoor Rd.	TE
*Muse, Barbara H.	College Union	214 C. U.	378	Cary-Macedonia Rd., Rt. 4	TE
*Musser, Glenn E.	Bus. Off.	7 Holladay	494	504 Rose Lane	TE
*Myers, Patsy Z.	CH	409 Williams	272	2707 Hazelwood Dr.	TE
*Myers, Richard M.	AI	Bull Barn	TE 3-0977	2812 Knowles St.	TE
*Myers, Samuel F.	Col. Ext. Div.	129 1911 Bldg.	467	3800 Marcom St.	TE
*Mvhre, Ann R.	Catalog	D. H. Hill Library	344	1004½ Glenwood Ave.	TE

*Married
†Widowed

<i>Name</i>	<i>Dept.</i>	<i>Office</i>	<i>Ext.</i>	<i>Address</i>	
*Nahikian, Howard M.	MA	218 Tompkins	228	3116 Leonard St.	TE
*Nance, Virginia M.	Ag. Inf.	120 Ricks	279	1305 Duplin Rd.	TE
*Nanney, Nancy H.	TX	126 Nelson Tex.	415	Box 5174, St. Coll. Sta.	TE
*Nash, Betty W.	PSY	123 Tompkins	286	1430 Duplin Rd.	TE
*Nash, Rollins H.	MS	154 Coliseum	233	2154 Mayview Rd.	TE
*Nash, Thomas L.	ME	22 Diesel	203	1626 Park Dr.	TE
*Neal, Alene W.	Vis. Aids	3 Ricks	330	1402 Mordecai Dr.	TE
*Neal, Bobby G.	AGE	111 Ag. Engr. Bldg.	475	1510 Simpkins St.	
*Neal, Carlene J.	AI	204 Polk	319	3151 Stanhope Ave.	
Needham, George F.	Student Affairs	202 Holladay	397	Box 283, Rt. 2, Garner	EM
*Nelson, Richard R.	PP	106 Gardner	380	810 Faircloth St.	TE
*Nemerow, Nelson L.	CE	450 Mann	391	2225 Lash Ave.	TE
*Netherton, James D.	Ag. Ext.	314 Ricks	274 & 389	913 W. Johnson St.	
*Netherton, Patsy A.	FC	128 Williams	222	913 W. Johnson St.	
*Neunzig, H. H.	ENT	237 Gardner	384	2323 McMullan Circle	TE
*Newell, William A.	Tex. Res.	107 Nelson Tex.	273	1329 Hathaway Rd.	TE
*Newman, Slater E.	PSY	111A Tompkins	365	116 E. Park Dr.	
*Newton, Melvin F.	FC	180 Williams	324	Rt. 1, Raleigh	TE
*Nichols, Joan M.	CE	354 Mann	432	18-H Verville	
*Nielsen, Davora E.	Tob. Lit. Serv.	D. H. Hill Library	477	3208 Darien Dr.	TE
*Nielsen, Lowell W.	PP	105 Gardner	380	3208 Darien Dr.	TE
*Niven, Jane F.	HI & PS	112 Winston	356	2709 Mayview Rd.	TE
*Noblin, Evelyn B.	Catalog	D. H. Hill Library	344	Rt. 1, Garner	EM
*Noblin, Stuart	HI & PS	215 Winston	356	Rt. 1, Garner	EM
	Archives	216 Library	468		
*Nolstad, Arnold R.	MA	201 Tompkins	226	1312 Lutz Ave.	TE
*Nordan, Elizabeth H.	AI	216 Polk	276 or 326	Rt. 1, Benson	
*Nordan, Gladys S.	Printing	Print Shop	281	1416 Moring St.	TE
*Norris, Robert L.	Printing	Print Shop	281	Rt. 3, Fairway Dr.	TE
*Norton, Everett L.	Ag. Ext.	203 Ricks	243	809 Woodburn Rd.	TE
*Nowell, Eloise B.	Bus. Off.	B Holladay	278	Wendell, N. C.	FO
*Noyce, Gaylord B.	SS	220 Winston	200	1326 Dixie Trail	TE
*Nunenkamp, Victor L.	AS	139 Coliseum	314	200 Brook Ave.	TE
*Nusbaum, Charles J.	PP	102 Gardner	380	2821 Kilgore Ave.	TE
*O'Connor, Thomas F.	IE	336 Riddick	428	319 E. Jones St.	
*Ohmer, Helen T.	Chancellor	A Holladay	210	2307 Lyon St.	TE
*Oldham, Charlie R.	Printing	Print Shop	281	211 Bagette St.	TE
*Oliver, Faith E.	SOI	351 Williams	363	207 Poplar St.	TE
*Oliver, George M.	CH	317 Withers	339	Cary, N. C.	HO
*Oliver, Robert L.	Boarding	Leazar	TE 3-4825 - 6	2921 Anderson Dr.	TE
*Ollenberger, Robert W.	MS	154 Coliseum	233	Rt. 1, Cary	TE
*Olsen, Bernard M.	EC	107 Peele	333	1501 Ridge Rd.	TE
O'Neal, James M.	HRT	228 Kilgore	318	YMCA, Edenton St.	TE
Orr, Nita L.	Ag. Ext.	216 Ricks	242	W-1-B Cameron Court	TE
*Osborne, John C.	AI	An. Dis. Lab.	486	200 Furches St.	TE
*Overton, E. Glenn	REG.	12 Holladay	219	1802 Fairview Rd.	TE
*Pace, Helen G.	Student Affairs	202 Holladay	397	2805 Bedford Ave.	TE
*Paget, Edwin H.	ENG	221-223 Winston	325	2733 Everett Ave.	TE
*Paige, Vivian B.	EST	16 Patterson	386 & 387	Millbrook, N. C.	TE
*Palmour, Hayne	MI	109 Page	249	3046 Lewis Farm Rd.	TE
*Pan, Chi-Hsun	Tex. Res.	B53 Nelson Tex.	416	611 Mial St.	TE
*Pardue, James E.	TX	142 Nelson Tex.	416	333 Wilmot Dr.	TE
*Park, Hubert V.	MA	218 Tompkins	228	3120 Darien Dr.	TE
*Parker, Carolyn W.	EST	2A Patterson	386 & 387	1006 Gorman St.	TE
†Parker, Gladys P.	Infirmary	Clark Hall	TE 2-7615	1600 Brooks Ave.	TE
*Parker, J. Harold	Ag. Inf.	118 Ricks	208	216½ Benson Rd., Garner	EM

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Parker, John M., III	MI	205 Page	304	3113 Darien Dr.	TE
*Parker, Lyman Y.	AI	Cent. Res. Sta. Farm		Western Blvd.	TE
		TE 2-8901			
Parker, Ruth M.	Ag. Ext.	111 Ricks	271	521 N. East St.	TE
*Parrish, Clifton F.	Ag. Ext.	211 Scott	376	526 Powell Dr.	TE
*Parrish, Leon I.	M & O	2 Morris	234	Rt. 2, Clayton	TE
*Parrish, Thomas F.	Tex. Res.	325 Nelson Tex.	413	418 Whitaker St., Clayton	TE
*Parsons, Guy S.	Ag. Ext.	104½ Polk	277	213 Ashe Ave.	TE
*Partin, C. Allen	AI	College Dairy	TE 2-9763	College Dairy Farm	TE
*Pate, D. D.	PSC	109 Scott	366	2095 Wade Ave.	TE
*Pate, Rudolph	News Bureau	105 Alumni	253	16 Bagwell Ave.	TE
*Patterson, James W.	Ag. Ext.	201 Polk	269	0-4 Raleigh Apts.	TE
*Patten, Harry A.	Agriculture	104 Patterson	471	13 Furches St.	TE
*Patton, Carlotta P.	MA	205 Tompkins	226	614 E. Franklin St., Chapel Hill	TE
†Paulson, Jehu D.	MA	216 Tompkins	228	2705 Everett Ave.	TE
*Pearce, John W.	Ag. Ext.	21 Ricks	254	Rt. 6, Box 25, Raleigh	TE
*Pearsall, Robert J.	EE	206 Daniels	235	Holly Springs	Fuquay 3
*Peedin, Dianne B.	Eng. Res.	124 Riddick	248 & 423	Box 61, Smithfield	
*Pendergraft, Dwight O.	PY	101 Daniels	353	2347 Bernard St.	TE
*Pennell, Reva Lucille	TX	116 Nelson Tex.	420	1509½ Hillsboro St.	VA
*Pennington, Mildred C.	EST	120H Patterson	TE 3-2454	611 Gaston St.	TE
*Penny, Robert F.	Eng. Res.	10 Riddick	425	981 Croydon Circle	TE
*Peppler, Albert P.	Athletic	130 Coliseum	TE 2-6934	522 Vick Ave.	TE
*Perry, Astor	Ag. Ext.	451 Williams	329	3415½ Hillsboro St.	TE
*Person, Lee H.	PP	202 Gardner	382	1514 Lutz Ave.	TE
*Peterson, Kenneth D.	Tex. Res.	233 Nelson Tex.	414	2 Ramey Cr., Franklinton	
*Peterson, Daniel M.	MA	220 Tompkins	228	1201 Canterbury Rd.	TE
*Petrea, Howard A.	MA	201 Tompkins	226	20 Furches St.	TE
*Phelps, Peggy S.	CH	108 Withers	266	1008 Faircloth St.	TE
*Philbrick, Corinne S.	College Union	C. U.	TE 4-7318	Cary, N. C.	HO
*Phillips, Llewellyn B.	Printing	Print Shop	281	2811 O'Berry St.	TE
		& TE 3-4151			
*Pickering, Elizabeth H.	CH	113 Withers	297	315 Cutler St.	TE
*Pierce, Henry J.	MS	154 Coliseum	233	Alumni Bldg.	
*Pierce, Walter H.	AGC	201G Patterson	359	904 Powell Dr., Garner	EM
*Pike, Frederick P.	CHE	315 Riddick	402	2604 Dover Rd.	TE
*Pikner, V. A.	EC	109 Peele	333	1209 Cheney Rd.	TE
*Piland, James R.	SOI	326 Williams	209	2406 Stafford Ave.	TE
*Piland, John E.	Ag. Ext.	303 Ricks	388	3104 Darien Dr.	TE
*Piland, Newbern E.	EC	111 Peele	333	Hartzig St., Chapel Hill	
†Pilley, Lucille J.	Vet. Housing	UK-5 Vetville	TE 2-4306	2216 St. Mary's St.	TE
*Pinkerton, Robert M.	ME	121 Broughton	450	2502 Vanderbilt Ave.	TE
Pirnat, Miriam T.	Ag. Ext.	103 Polk	321, 277	6 N. Bloodworth St.	TE
*Place, Anne C.	ENT	327 Gardner	409	C-4, Country Club Homes	TE
*Place, Frank R.	SS	211 Winston	200	C-4, Country Club Homes	TE
†Pohl, Emma W.	Reference	D. H. Hill Library	398	5 Village Apts., Chapel Hill	
Poland, George W.	ML	205 Peele	231	Arrow Dr., Rt. 6	TE
*Poole, Anne L.	Bus. Off.	103 Holladay	443	D-5 Shelton Apts.	TE
*Poole, Bruce G.	ZO	156 Gardner	239	2723 North Dr.	TE
Poole, Dorsey E.	Athletic	Coliseum	TE 2-2407	1515 Hanover St.	TE
Poole, Joyce	Grad. Sch.	145 Gardner	429	500 W. Park Dr.	TE
*Poole, Lewis L.	PP	112 Gardner	380	Rock Quarry Rd.	
Poole, Mary Elizabeth	Documents	D. H. Hill Library	398	221 Hawthorne Rd.	TE
*Pope, Daniel T.	HRT	216 Kilgore	318	2710 Wayland Dr.	TE
*Porter, Jack	ENG	221-223 Winston	325	2820 Van Dyke Ave.	TE
*Porter, Joseph A., Jr.	TX	104 Nelson Tex.	289	1225 Brooks Ave.	TE
*Poston, Hugh A.	AI	Cent. Res. Sta.	TE 2-1548	Western Blvd.	TE
*Pou, John W.	AI	117 Polk	320	2606 Wade Ave.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Powell, Ben C.	AGE	Ag. Engr. Bldg.	484	Rt. 2, Clayton	
*Powell, Carlos G.	Printing	Print Shop	281	Rt. 5, Raleigh	
Powell, Dennis	FC	186 Williams	324	Rt. 3, Smithfield	
*Powell, Leon	Tex. Res.	140 Nelson Tex.	416	212 N. Bloodworth St.	TE
*Phillips, Lyle L.	FC	482 Williams	300	801 Beaver Dam Rd.	TE
*Preston, Marjorie	Ag. Ext.	209E Patterson	291	2705 B Gordon St.	TE
*Preston, R. J.	FOR	160 Kilgore	270 or 282	3201 Churchill Rd.	TE
*Price, Ruth D.	Printing	Print Shop	281	716 New Rd.	TE
*Prince, Harold L.	GN	353 Gardner	385	Rt. 4	TE
*Prince, Thomas A.	ME	20 Broughton	246	Rt. 4, Raleigh	TE
*Pritchard, Atwood A.	WUNC-TV	Western Blvd.	TE 4-6262	905½ W. Peace St.	TE
Pritchard, Iola F.	Ag. Ext.	214 Ricks	242	2402 Clark Ave.	TE
Pritchett, Carolyn	PSC	210 Scott	376	Apt. 3, 100 Faircloth St.	TE
*Pruden, Mouise S.	M & O	113 Morris	451	2715 Kilgore Ave.	TE
*Pugh, Charles R.	Ag. Ext.	220 Patterson	306	361 Wilmot Dr.	TE
*Putney, Sybil W.	Nat'l Sci. Reg.	107 1911 Bldg.	265	454 Glenbrook Dr.	TE
*Quance, Margaret W.	Serials	D. H. Hill Library	344	2402 Van Dyke Ave.	TE
*Quay, Thomas L.	ZO	242 Gardner	445 or 239	2608 Barmettler	TE
*Raab, Kenneth D.	REG.	13 Holladay	219	Garner, N. C.	EM
*Rabb, Robert L.	ENT	335 Gardner	409	373 Wilmot Dr.	TE
Raby, M. Louise	PE	Gymnasium	496 & 218	200 Woodburn Rd.	TE
*Ragland, Eloise R.	Tex. Res.	B50 Nelson Tex.	414	2700 Wayland Dr.	TE
*Ragland, Irene F.	SOI	356 Williams	363	3314 Pollock Pl.	
*Ramey, Janell	Alumni Aff.	101 Alumni	252	551½ N. Blount St.	TE
*Ramsey, Harold A.	AI	302 Polk	241	106 Ralph Dr., Rt. 1, Cary	HO
*Randall, Glenn O.	HRT	126 Kilgore	275 & 455	901 Canterbury Rd.	TE
*Randolph, Hal D.	EE	272 Daniels	235	407 Horne St.	TE
*Randolph, Marjorie J.	SS	212 Winston	200	407 Horne St.	TE
*Rankin, Jean S.	PP	112 Gardner	373	3821 Western Blvd.	
Rankin, Mary S.	SOI	383 Williams	363	211 Groveland Ave.	TE
Rankin, William H.	SOI	105 Williams	345	2408 Stafford Ave.	TE
*Ratchford, C. Brice	Ag. Ext.	110 Ricks	213	2701 Kilgore St.	TE
*Rawls, Horace D.	SOC & ANT	201 Peele	374	3021 Banbury Rd.	TE
*Ray, Lex L.	Foundations	A Holladay	322	720 Lake Boone Trail	TE
*Ray, Robert M.	AGC	Box 7317, Asheville, N.C.		3 Grace Ave., Asheville	
*Redfern, Robert B.	AI	204 Polk	319	1105 Dogwood Lane	TE
*Reid, Edwin M.	MS	154 Coliseum	233	501 Griffis St., Cary	HO
Reid, Elbert	News Bureau	105 Alumni	253	2707 Ashland Dr.	
*Reid, James P., Jr.	Tex. Res.	9 Nelson Tex.	288	512 E. Hargett St.	TE
*Reid, Preston H.	SOI	386A Williams	363	819 Merrie Rd., Rt. 4	TE
*Reid, Willis A.	CH	113 Withers	297 & 266	1439 Dixie Trail	TE
Reitzer, Ladislas F.	HI & PS	111 Winston	356	9 Ashe Ave.	TE
†Rembert, Dahlia S.	FC	106 Williams	222	405 Gardner St.	TE
*Reynolds, Margaret B.	PP	10 Gardner	336	2949 Winchester Ct.	TE
*Rhodes, Sallie B.	CH	402 Williams	272	1100 Poplar Ave., Garner	EM
*Rhyne, Claude L.	FC	466 Williams	300	300 Wilmot Dr.	TE
*Rice, Elaine D.	Ag. Inf.	116 Ricks	TE 2-6541 or 208	2304 Van Dyke Ave.	TE
†Rice, Evelyn K.	ZO	360 Gardner	261	319 Morrison Ave.	TE
*Rice, John C.	N.C. Crop Imp. Assoc.	193A Williams	TE 4-7542	109 N. Lord Ashley Rd.	TE
*Rice, Pansy	AI USDA	312 Polk	206	310 Furches St.	TE
*Rice, Philip M.	HI & PS	101 Pullen	435	1306 Rand Dr.	TE
*Rice, Victor A.	Agriculture	101 Patterson	362	1833 Smallwood Dr.	TE
*Rich, Mary E.	EST	7 Patterson	386 & 387	620 Glascock St.	TE
*Rich, Raymond R.	Ag. Ext.	Burgaw, N.C.	Burgaw 274	Wilmington St., Burgaw	
Richardson, Frances M.	Eng. Res.	342 Riddick	357 or 301	G-4 Raleigh Apts.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
Richardson, Rose Marie	Order	D. H. Hill Library	344	219 Grand Ave.	TE
*Risher, James F., Jr.	AS	145 Coliseum	314 or TE 4-5161	305 W. Park Dr.	TE
*Ritchie, Barbara C.	AGE	112 Ag. Engr. Bldg.	475, 484, 479	7A Vetville	
*Ritchie, Ray M., Jr.	Ag. Ext.	315 Ricks	274 & 389	Rt. 4, Walnut Trail	TE
*Roberts, William M.	AI	204 Polk	371	1305 Lutz Ave.	TE
*Robertson, Zelda G.	Bus. Off.	3 Holladay	316	2117 St. Mary's St.	TE
Robinson, Allan R.	Vis. Aids	3 Ricks	330	717 Chamberlain St.	
*Robinson, Cowin C.	CH	301 Withers	339	1407 Lutz Ave.	TE
*Robinson, Harold F.	EST	1C Patterson	386 & 387	2126 Buckingham Rd.	TE
*Robinson, Martha G.	College Union	C. U.	378	Raleigh Apts.	TE
*Robinson, Mendel L., Jr.	Tex. Res.	325 Nelson Tex.	413	Apt. W-3, Country Club	HO
*Rock, Frances S.	Ag. Inf.	120 Ricks	279 or TE 2-6541	2113 Reaves Dr.	TE
*Rogers, Lyle B.	Student Affairs	201 Holladay	224 or 397	2718 Cartier Dr.	TE
*Ross, John P.	PP	209 Gardner	310	225 Buck Jones Rd.	TE
*Rothrock, Reva V.	Marking	D. H. Hill Library	259	107 Ashe Ave.	TE
*Rouse, Shirley L.	Printing	Print Shop	281	3 Ashe Ave.	
Rowe, Beatrice	ENG	118 Winston	325	1709 Hillsboro St.	TE
*Rowland, Macon R.	M & O	102 Morris	392	634 Stacy St.	TE
*Rowland, W. Earl	M & O	110 Morris	451	521 Grove Ave.	TE
Royall, Peggy A.	Reg.	14 Holladay	205	1909 Clark Ave.	TE
*Rozett, Robert	CHE	308 Riddick	402	C-201 Boylan Apts.	TE
*Rudy, Margaret B.	Boarding	Leazar	TE 3-4825 - 6	2823 Barmettler St.	TE
Ruffin, Helen L.	EST	112 Patterson	313 & 335	705 N. East St.	TE
*Ruggles, Edward W.	Col. Ext. Div.	118 1911 Bldg.	260 & 238 TE 4-3333	2411 Everett Ave.	TE
Rulfs, Donald J.	ENG	123 Winston	325	224 Hawthorne Rd.	TE
*Russell, Forrest C.	S.S.S.	YMCA	TE 2-3674 or 225	210 Gray St., Cary	HO
Russell, Vaun M.	ZO	168 Gardner	239	210 Vance Apts.	TE
Russell, W. Laura	CH	108 Withers	266	212 Gilbert Ave.	TE
*Rust, Paul J.	PSY	111A Tompkins	365	2300 Poole Rd.	TE
*Rutherford, Henry A.	TC	21 Nelson Tex.	341	Box 5751, Six Forks Rd.	TE
*Rutherford, Norma A.	AI	117 Polk	320 & 431	Box 5751, Six Forks Rd.	TE
†Sanderford, Mavis D.	Agriculture	115 Patterson	211 & 362	102 Horne St.	TE
*Sanders, Mary Sue	Ag. Ext.	307 Ricks	285	11 Dixie Trail	TE
Santamaria, Tomas	DN	314 Brooks	437	131½ Maiden Lane	
*Santolucito, John A.	ZO	355 Gardner	445 or 239	Millbrook, N. C.	TE
*Sasser, Joseph N.	PP	107 Gardner	380	628 Grove Ave.	TE
*Sasser, Sybil B.	Tex. Res.	B48 Nelson Tex.	416	1508 Frank St., College View Trailer Park	TE
*Satterfield, George H.	CH	201 Withers	264	407 W. Park Dr.	TE
*Scarborough, Clarence C.	AED	103 Tompkins	257	2604 Barmettler St.	TE
*Schaaf, Herman E.	MS	154 Coliseum	233	245 Buck Jones Rd.	TE
Schaub, Maud K.	Ag. Ext.	109 Ricks	292 & 367	1011 Schaub Dr.	TE
Scheiper, Irmgard	EST	110 Patterson	375	1315 Beaver Dam Dr.	TE
*Schneider, G. W.	HRT	224 Kilgore	318	212 Taylor St.	TE
*Schoenborn, Erward M.	CHE	113 Riddick	301	3114 Sussex Rd.	TE
*Schostag, Thea W.	BO	227 Gardner	379	2727½ St. Mary's St.	TE
*Schramm, Robert J.	HRT	128 Kilgore	275 & 455	502 Walnut St., Cary	HO
*Schrum, Nancy K.	ENT	232 Gardner	384	1518 Scales St.	TE
*Scofield, Herbert T.	BO	250 Gardner	267	3402 Brady Pl.	TE
Scott, Donald J.	Col. Ext. Div.	123 1911 Bldg.		1418 Park Dr.	TE
*Scott, H. E.	Ag. Ext.	141 Gardner	201	1022 W. South St.	TE
Scott, John E.	HRT	Old Greenhouse	240	Rt. 3, Apex, N. C.	EL
Scott, Nancy H.	Alumni Aff.	10 Alumni	252	1715 Park Dr.	TE
*Seagraves, James A.	AGC	203C Patterson	358	W. Lakeside Dr.	TE

*Married
†Widowed

<i>Name</i>	<i>Dept.</i>	<i>Office</i>	<i>Ext.</i>	<i>Address</i>	
*Seegers, L. Walter	HI & PS	215 Winston	356	2701 Mayview Rd.	TE
*Seely, J. Frank	CHE	216 Riddick	357	2815 Barmettler St.	TE
*Seltmann, Heinz	BO	252 Gardner	334	113 Chamberlain St.	TE
*Senger, Marvin E.	Ag. Ext.	104½ Polk	277	Rt. 4, Raleigh	TE
*Senter, C. T.	S.S.S.	YMCA	225	Box 61B, Rt. 3, Raleigh	TE
*Setzer, Emily E.	HRT	214 Kilgore	318	2960 Everett Ave.	TE
*Setzer, Thomas V.	S.S.S.	Watauga Book Shop	337	2960 Everett Ave.	TE
*Sexton, Dolores S.	Ag. Inf.	114 Ricks	472 and TE 2-6541	5325 E. Lakeside Dr.	TE
*Shahdan, Peter	MA	204 Tompkins	226	624 Grove Ave.	TE
*Shanklin, J. A.	Ag. Ext.	460 Williams	329	406 Brooks Ave.	TE
Shea, W. Michael	PE	Gymnasium	496 & 218	1009 Powell Dr.	TE
Shearin, Marjorie L.	Ag. Ext.	214 Ricks	242	3413 Redbud Lane	TE
Shearin, Virginia J.	Ag. Ext.	113 Ricks	457	2935 Winchester Ct.	TE
*Shelley, A. Bernard R.	ENG	121 Winston	325	810 Chamberlain St.	TE
*Shen, Ching Sheng	EC	129 1911 Bldg.	333	116 Horne St.	TE
*Shen, Lee M.	CH	203 Withers	264	116 Horne St.	TE
*Sherwood, Francis W.	AI	301 Polk	241	318 N. Boundary	TE
*Shinn, William E.	TX	102 Nelson Tex.	289	2709 Bedford Ave.	TE
*Shipley, Mildred K.	N.C. Crop Imp. Assoc.	193 Williams	207 TE 4-7542	811 W. Johnson St.	TE
‡Shirley, Alice A.	Student Affairs	206 Holladay	370	2515 Clark Ave.	TE
*Shirley, John W.	Dean of Faculty	110 Holladay	466	2618 Lake View Dr.	TE
*Shoffner, Robert W.	Ag. Ext.	106 Ricks	213	3101 Darien Dr.	TE
Sholar, Ann M.	AGE	112 Ag. Engr. Bldg.	475, 484, 479	406 N. Blount St.	TE
‡Shuford, May R.	Circulation	D. H. Hill Library	372	810 W. Johnson St.	TE
*Shugart, Fred H.	Tex. Res.	325 Nelson Tex.	413	5216 Melbourne Rd.	VA
*Shulenberg, C. B.	EC	115 Peele	333	2501 Stafford Ave.	TE
*Simmons, Raymond O.	CH	203 Withers	264	Rt. 4, Raleigh	TE
Simon, Herbert	DN	214 Brooks	438	1004 W. Lenoir	TE
*Simpson, William H.	Engineering	225 Riddick	424	1203 Duplin Rd.	TE
*Sims, Barbara A.	Eng. Res.	236 Riddick	436	33 F Verville	TE
*Singh, Mary J.	Student Affairs	207 Holladay	434	1231 Canterbury Rd.	TE
*Singletary, Howard M.	Ag. Ext.	203 Ricks	243	717 Powell Dr.	TE
*Skogley, Earl O.	SOI	230 Williams	345	1008 Carlton Ave.	TE
*Slack, Maybelle T.	PPT	Pulp & Paper Lab.	485	3402 Hillsboro St.	TE
Slater, Betty Sue	General Studies	105 Peele	223	108 Georgetown Rd.	TE
*Sloan, Emma L.	EE	320 Daniels	236	Apt. 25-A Verville	TE
*Sloan, Fred S.	Ag. Ext.	109 Ricks	292	1407 Canterbury Rd.	TE
*Showalter, Merle F.	CH	113 Withers	297	2820 Barmettler St.	TE
*Slocum, George K.	FOM	258 Kilgore	406	3210 Arthur Ct.	TE
Slocum, Shirley L.	TX	103 Nelson Tex.	289	3210 Arthur Ct.	TE
*Smallwood, Charles, Jr.	CE	452 Mann	391	305 Transylvania Ave.	TE
*Smaltz, William R.	Athletic	130 Coliseum	TE 2-6934	517 Lansing St.	TE
*Smart, Virginia W.	AI	301 Polk	241	311 Meredith	TE
*Smart, William W. G., Jr.	AI	309 Polk	241	311 Meredith	TE
*Smathers, Sylvia L.	SOI	322 Williams	209	2320 Clark Ave., Apt. H	VA
Smirnoff, Michael V.	CE	144 Mann	303	1108 Daniels St.	TE
*Smith, Ben W.	GN	342 Gardner	385	701 Runnymede Rd.	TE
*Smith, Clyde F.	ENT	142 Gardner	408	2716 Rosedale	TE
*Smith, Doris	Ag. Ext.	250 Williams	294	New Hope Rd., Rt. 5	TE
*Smith, Frank H.	AI	315 Polk	241	2506 Stafford Ave.	TE
*Smith, G. Wallace	EM	240 Mann	317	222 Hawthorne St.	TE
*Smith, George W.	Ag. Ext.	264 Kilgore	407	2213 Dixie Trail Ext.	TE
*Smith, J. McCree	M & O	101 Morris	328	Rt. 1, Cary	TE
Smith, M. Carolyn	TC	21 Nelson Tex.	288	Woman's Club, Apt. 3	TE
Smith, Marion H.	PSC	224 Scott	368	X2B Cameron Ct. Apts.	TE
Smith, Norwood	ENG	7-9 Winston	325		
*Smith, Sue E.	Ag. Exp. Sta.	101A Patterson	369	E-2 Shelton Apts.	

*Married
‡Widowed

Name	Dept.	Office	Ext.	Address	
*Smith, William E.	PE	Gymnasium	496 & 218	2611 Kittrell Dr.	IE
*Smith, William E.	Tex. Res.	325 Nelson Tex.	413	Box 126, Varina	
*Snedecor, George W.	EST	112 Patterson	313 & 335	3039 Farrior Rd.	IE
*Snell, Oliver S.	ME	20 Broughton	246	Crestline Ave.	IE
*Snyder, Rufus H.	PY	306 Daniels	483	1609 Gorman St.	IE
*Sonner, William H.	PE	Gymnasium	496 & 218	6011½ Powell Dr.	VA
*Sox, Harriet N.	HRT	201 Kilgore	318	405 S. West St., Cary	HO
*Sox, Jason L.	MA	204 Tompkins	226	405 S. West St., Cary	HO
*Spain, George E.	Ag. Ext.	130 Williams	263	1017 Powell Dr.	
*Speck, Marvin L.	AI	211 Polk	319	3204 Churchill Rd.	IE
*Speece, Herbert E.	MA & SED	117 Tompkins	311	3408 Wade Ave.	IE
*Spencer, Julia R.	Ag. Ext.	202 Ricks	214	1251½ Woodburn Rd.	IE
*Spinella, Tyrus R.	MS	154 Coliseum	233	3443 Redbud Lane	IE
*Splinter, William E.	AGE	102 Mangum	342, 461	2905 Barmettler	IE
†Spung, Helen A.	College Union	C. U.	TE 4-7310	2020-B Smallwood Dr.	IE
*Spyhalski, Katherine H.	Eng. Res.	217 Riddick	357	2300 McMullan Circle	IE
*Stadelmaier, Hans H.	Eng. Res.	131 Riddick	425	K3B Cameron Ct. Apts.	
*Stainback, Raymond F.	PY	400 Daniels	483	2525 Grant Ave.	IE
*Stansel, David B.	Col. Ext. Div.	120 1911 Bldg.	260 or	1315 Crabapple Lane	TE
Stanton, K. Verna	Ag. Ext.	103 Ricks	244	Raleigh Apts. H-6	IE
*Stanton, Mary S.	EST	110 Patterson	375	2502 Clark Ave.	IE
*Starnes, Marvin E.	Col. Ext. Div.	119 1911 Bldg.	260	Rt. 4, Raleigh	IE
*Steinborn, Judith G.	Serials	D. H. Hill Library	344	1023 W. South St.	
*Stemberger, Anthony P.	AGC	201B Patterson	355	3304 Dunn Ave.	IE
*Stephen, W. A.	Ag. Ext.	136 Gardner	201	Box 92, Cary	HO
*Stephens, Stanley G.	GN	353 Gardner	385	Rt. 6, Ridge Rd.	IE
*Stephenson, Merle A.	PP	103 Gardner	380	Rt. 1, Clayton	
Stevens, Ann N. C. Crop Imp. Assoc.		189 Williams	TE 4-7542 207	R-4, Walnut Trail	IE
*Stevens, Floyd L.	FC	457 Williams	300	801 W. Morgan	
*Stevens, Seleta F.	Ag. Ext.	209 Patterson	291	Walnut Trail, Rt. 4	IE
*Stevenson, Lois M.	SOI	306 Williams	209	215 Taylor St.	IE
*Stevenson, William D., Jr.	EE	327 Daniels	430	2706 White Oak Rd.	TE
*Stewart, Hamilton A.	Ag. Exp. Sta.	102 Patterson	471	829 Woodburn Rd.	IE
*Stewart, James J., Jr.	Student Affairs	101 Holladay	456	2313 Anderson Dr.	IE
*Stilley, Thelma K.	Tex. Res.	325 Nelson Tex.	413	1116 Fuller St.	IE
*Stines, Billy J.	FC	429 Williams	334	3821 Western Blvd.	
*Stinson, Edward H.	ME	31 Diesel	246	108 Horne St.	IE
*Stirewalt, Hazel W.	Tex. Res.	B48 Nelson Tex.	416	2319 Grant	
*Stoker, Susan F.	Ag. Ext.	318 Ricks	274 & 389	915 W. Johnson St.	TE
*Story, E. Jack	PY	32 Nuclear Reactor	393	1837 W. Smallwood Dr.	VA
*Stott, Charles C.	IRR	Field House	440	1017 Gardner St.	TE
Stott, Estelle H.	Ag. Inf.	114 Ricks	208	2208 Hope St.	IE
Stott, Juanita	Reg.	13B Holladay	351	2208 Hope St.	IE
*Stout, Roy G.	AGC	201D Patterson	355	2325 Grant Ave.	IE
*Strickland, Margaret F.	Ag. Ext.	304 Ricks	221	2319 Bernard St.	
*Stroud, George R.	Tex. Res.	140 Nelson Tex.	416	Box 23, Youngsville, N. C.	
*Stuart, A. D.	Ag. Ext.	126 Williams	263	1435 Duplin Rd.	TE
*Stuart, Duncan R.	DN	213 Brooks	437	1716 Scales St.	TE
*Stubbs, Margaret L.	CH	409 Williams	272	112 St. Mary's, Garner	EM
*Stuckey, William C., Jr.	TX	49 Nelson Tex.	414	1537 Dellwood Dr.	TE
Sturdivant, Thomas I.	Col. Ext. Div.	125-126 1911 Bldg.	238 & 260	Garner, N. C.	
*Suberman, Jack	ENG	17-19 Winston	325	1314 Crabapple Lane	TE
*Suggs, Charles W.	AGE	102 Mangum	342, 461	Rt. 4, Raleigh	TE
*Summerville, B. Joyce	Col. Ext. Div.	117 1911 Bldg.	260 & 238	2503 Everett Ave.	TE
†Sumner, Baye M.	Purchasing	200 Morris	230 & 459	2517 Clark Ave.	TE

*Married
*Widowed

<i>Name</i>	<i>Dept.</i>	<i>Office</i>	<i>Ext.</i>	<i>Address</i>	
*Sutherland, Arthur G., Jr.	Boarding	Leazar	TE 3-4825 - 6	1322 Brooks Ave.	TE
*Sutherland, J. G.	AGC	201D Patterson	355	1016 Faircloth	TE
*Sutton, Edna L.	CH	217 Withers	339	15 Dixie Dr.	TE
*Sutton, Paul P.	CH	20 Withers	383	1115 Wake Forest Rd.	TE
*Swain, L. Hall	ENG	221-223 Winston	325	2268 Circle Dr.	TE
*Swann, Hazel G.	Ag. Inf.	13 Ricks	254	4203 Western Blvd.	
*Swicegood, Ursula R.	Tex. Res.	B53 Nelson Tex.	416	Apt. 33-B, Vetville	TE
*Swift, Eleanor D.	ML	205 Peele	231	Rt. 4	TE
*Swiger, James R.	Personnel	Primrose	481	3221 Lewis Farm Rd.	TE
Swindell, M. Elizabeth	Tex. Res.	B50 Nelson Tex.	414	1307 Jackson St.	TE
Sykes, E. LaVerne	Reg.	14 Holladay	205	1013 St. Mary's St.	TE
*Tabor, Edward E.	AI	A. H. Farm	VA 8-2761	Rt. 1, Cary	VA
Talley, Banks C.	Student Affairs	206 Holladay	370	B-7, Wilmont Apt.	TE
*Tanner, James T., Jr.	Eng. Res.	Riddick Annex	347	2953 Winchester Ct.	
*Tant, William E.	S.S.S.	YMCA	TE 2-3674 or 225	214 Gray St., Cary	HO
*Taras, M. A.	WT	154 Kilgore	406	117 Park Ave.	TE
*Taylor, Edward H.	AI	A. H. Farm	TE 3-8417	Rt. 1, Cary	TE
*Taylor, H. W.	Alumni Aft.	103 Alumni	252	2820 Bedford Ave.	TE
			TE 3-1010		
*Taylor, James C.	HRT	Old Greenhouse	240	512 Powell Dr.	TE
*Taylor, Melvin B.	Printing	Print Shop	281 &	1333 Canterbury Rd.	TE
			TE 3-4151		
*Taylor, Stuart V.	AI	A. H. Farm	TE 4-3255	Rt. 1, Cary	TE
*Terrill, Walter Lee	Athletics	120 Coliseum	TE 4-1881	3404 Wade Ave.	TE
*Teszler, Otto	Tex. Res.	21 Nelson Tex.	341	2303 Churchill Rd.	TE
†Tew, M. Agnes	Bus. Off.	B Holladay	278	1314 Glenwood Ave.	TE
*Tharpe, Imogene C.	Tex. Res.	B53 Nelson Tex.	416	Box 638, Cary	HO
*Tharrington, Carol H.	Bus. Off.	1 Holladay	442	2320 Anderson Dr.	TE
*Thigpen, Patricia H.	Ag. Ext.	220A Patterson	306	718 Rosemont Ave.	
*Thomas, Horace C.	MS	Gymnasium	232	518 Powell Dr.	TE
*Thomas, Jynell S.	FC	456 Williams	300	929 Tower St.	TE
*Thomas, Mildred P.	Tex. Res.	233 Nelson Tex.	414	613 Watauga	TE
*Thomas, Richard J.	WT	270 Kilgore			
*Thomas, Walter E.	AI	105 Polk	268	RFD 1, Cary	HO
*Thompson, Donald L.	FC	131A Williams	222	Garner Loop Rd.	EM
Thompson, M. Frances	Alumni Aff.	104 Alumni	252	109 E. Whitaker Mill Rd.	TE
			TE 3-1010		
*Thompson, O. G.	EC	116 Peele	333	3009 Mayview Rd.	TE
*Thompson, Rosa G.	Tel. Ex.	116 Winston	0	1702 Dare St.	TE
*Thompson, Ruthie H.	EST	16 Patterson	386 & 387	Clayton, N. C.	
Thompson, Sally E.	ENT	234 Gardner	384	1704 Center Rd.	TE
*Thornburg, Betty J.	Bus. Off.	2 Holladay	443	301½ Bickett Blvd.	TE
*Thorup, James T.	CH	109 Withers	266	602 Stacy St.	TE
*Thurlow, Edwin G.	DN	200C Brooks	343	3125 Darien Dr.	TE
*Thurstone, Fredrick L.	EE	427 Daniels	395	400 Laurel Hill Rd.	
				Chapel Hill, N. C.	
Thurstone, Robert L.	EE	427 Daniels	395	400 Laurel Hill Rd.	
				Chapel Hill, N. C.	
*Tiddy, Mildred B.	Ag. Ext.	220 Patterson	306	4109 Western Blvd.	TE
Tiddy, Sarah M.	Infirmary	Clark Hall	TE 2-7615	405½ Brooks Ave.	TE
Tillman, Margaret L.	Col. Ext. Div.	124 1911 Bldg.	260	100 Faircloth St.	TE
*Tisdale, Samuel L.	SOI	230 Williams	345	702 Daniels St.	TE
*Todd, Furney A.	PP	13 Gardner	336	Rt. 1, Wendell	FO
*Tolar, Robert A.	MS	154 Coliseum	233	1711 Scales St.	TE
Tolley, George S.	AGC	201A Patterson	355	902 Lake Boone Trail	TE
*Tomlin, Wilbur H.	CHE	7 Riddick	403	406 Dry Ave., Cary	HO
*Tompkins, Edwin H., Jr.	Eng. Res.	233 Riddick	436	106 Pogue St.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
*Toussaint, William D.	AGC	215 Patterson	469	Rt. 6, Raleigh	TE 4
*Tove, Samuel B.	AI	317 Polk	241	2133 Buckingham Rd.	TE 3
*Townsend, Freddy	AS	141 Coliseum	314	Rt. 3, Raleigh, N. C.	
*Trollinger, Ida E.	Infirmary	Clark Hall	TE 2-7615	18 Horne St.	TE 2
*Troxler, Robert T.	IA	108 Tompkins	258	2812 Mayview Rd.	TE 3
*Troyer, James R.	BO	154 Gardner	267	2310 Van Dyke Ave.	TE 3
*Tucker, Ruth H.	AGC	216 Patterson	308	304 Horne St.	TE 3
*Tunstall, Lena F.	YMCA	YMCA	TE 2-7184	2814 Mayview Rd.	TE 3
*Tunstall, Shelton	EST	228 1911 Bldg.	478	1014 Norris St.	TE 3
*Turnage, Lloyd E.	Vis. Aids	7 Ricks	330	633-D Daniels St.	TE 3
*Turner, Anne L.	Order	D. H. Hill Library	344	903 W. Johnson St.	TE 2
*Turner, Bessie B.	Tel. Ex.	116 Winston	0	36061 Burt Dr.	TE 3
*Turner, Edward B., Jr.	MS	154 Coliseum	233	2312 Clark Ave.	TE 4
*Turner, Huldah B.	ENG	15 Winston	325	Edward Mills Rd. Box 78, Rt. 6	TE 3
*Turner, Malcolm E., Jr.	EST	120E Patterson	TE 3-2454	2518 Country Club Ct.	TE 4
*Turner, Vance R.	FC	488 Williams	300	Rt. 1, Raleigh	TE 4
*Turner, William L.	Ag. Ext.	220 Patterson	306	2830 Barmettler	TE 4
*Tussey, W. Glenn	Ag. Ext.	220B Patterson	306	341 Wilmot Dr.	TE 4
*Tyson, A. Ruthe	Tex. Res.	24 Nelson Tex.	288	10 Enterprise St.	TE 4
*Ulberg, Lester C.	AI	111 Polk	305	812 Ravenwood Dr.	TE 4
Umstead, Carlisle P.	PP	112 Gardner	380	1020 Faircloth St.	TE 4
*Underwood, Newton	PY	403 Daniels	353	1322 Duplin Rd.	TE 4
*Underwood, Von Harvey	HRT	228 Kilgore	318	502 Dry Ave., Cary	HO 4
*Upchurch, Robert P.	FC	457 Williams	300	3032 Farrior Rd.	TE 4
*Upchurch, Thurman H.	Eng. Res.	22 Riddick	426	C-37 Andrews Lake	TE 4
*Uyanik, Mehmet E.	CE	336 Mann	391	1616 Lorraine Rd.	TE 4
Uzzle, Ruby P.	Ag. Ext.	209B Patterson	291	2512 Vanderbilt Ave.	TE 4
*Van Bavel, Cornelius H. M.	SOI	324 Williams	209	207 W. Drewry Lane	TE 4
*Van der Vaart, H. R.	EST	12 Patterson	386 & 387	218 Chamberlain	TE 4
*Vann, J. Graves	Bus. Off.	105 Holladay	295	1606 Scales St.	TE 4
*Van Schilfgaarde, Jan	AGE	205 Mangum	342, 461	Glenwood Gardens, Apt. F	TE 4
VasWani, Ram	IE	338 Riddick	428	1233 Lorimer Blvd.	TE 4
*Vaughan, Linwood H.	Tex. Res.	325 Nelson Tex.	413	Box 523, Franklinton	TE 4
*Verlinden, Francis J.	EST	5 Patterson	386 & 387	106 Byron Pl.	TE 4
*Verreault, Peggy	AGC	201 Patterson	355	812 Henderson Rd.	TE 4
*Volk, Richard J.	SOI	383C Williams	363	2256 Circle Dr.	TE 4
*Von Beckerath, Herbert	EC	109 Peele	333	T-6 Raleigh Apts.	TE 4
*Waddell, Delavalette R.	Ag. Ext.	117 Ricks	255	814 Braden St.	TE 4
Wade, Virginia	ENT	325 Gardner	409	2609 Vanderbilt	TE 4
*Wagoner, Fred H.	Ag. Ext.	208 Ricks	410	1318 Lutz Ave.	TE 4
*Wakeley, Sue	Agriculture	111 Patterson	362	400 Chamberlain	TE 4
*Walker, David R.	HRT	230 Kilgore	318	20 Dixie Trail	VA 4
Walker, James B.	ME	323 Broughton	246	615 N. Boundary St.	TE 4
*Walker, Joseph, Jr.	Tex. Res.	140 Nelson Tex.	416	322 W. Gilbert Ave.	TE 4
*Wall, Thurlow D.	Boarding	Leazar	TE 3-4825 - 6	711 Penn Rd.	TE 4
*Wallace, Mary A.	Bus. Off.	105 Holladay	295	509 Cole St.	TE 4
Walser, Richard G.	ENG	7-9 Winston	325	Rt. 6, Arrow Dr.	TE 4
*Waltner, Arthur W.	PY	24 Nuclear Reactor	393	1612 Lorraine Rd.	TE 4
*Waltner, Nellie L.	Circulation	D. H. Hill Library	372	1612 Lorraine Rd.	TE 4
Ward, Elizabeth H.	Ag. Ext.	201 Ricks	243	201½ Groveland Ave.	TE 4
*Ward, Thomas M.	CH	322 Withers	339	2736 St. Mary's St.	TE 4
*Warren, Fred G.	AI	213 Polk	319	1339 Brooks Ave.	TE 4
*Warrick, Woodley C.	Ag. Ext.	315 Ricks	274 & 389	Rt. 2, Clayton	Clayton

*Married
*Widowed

Name	Dept.	Office	Ext.	Address	
Washburn, James R.	DN	203 Brooks	343	Box 5611, Raleigh	TE
*Washburn, Joe Dan	FC	192 Williams	324	1329 Marlborough Rd.	TE
*Waters, Elsa C.	ACC	215 Patterson	469	3109 Hillsboro, Apt. 3-B	
*Waters, William D.	Ag. Ext.	13 Ricks	254	1149 Brighton Rd.	TE
*Watkins, Fred N.	Tex. Res.	233 Nelson Tex.	414	Rt. 3, Wake Forest	TE
*Watkins, Patsy H.	Foundations	A Holladay	322	2203 Noble Rd.	TE
†Watson, Emma L.	Bus. Off.	5 Holladay	441	Box 162, Cary	HQ
*Watson, George C.	MA	224 Tompkins	228	3134 Sussex Rd.	TE
*Watts, Norbert B.	Student Affairs	207 Holladay	434	Rt. 1, Cary	TE
*Weathers, Clyde R.	Ag. Ext.	220 Patterson	306	226 Union St., Cary	HO
*Weaver, David S.	Ag. Ext.	104 Ricks	213	520 Gardner St.	TE
Weaver, Jean B.	Student Affairs	207 Holladay	460	414 Morrison Ave.	TE
*Weaver, John W., Jr.	AGE	Ag. Engr. Bldg.	484	414 Morrison Ave.	TE
*Webb, Benjamin D.	ME	31 Diesel	246	1331 Chester Rd.	VA
†Webb, Cornelia B.	Dean of Faculty	110 Holladay	466	2611 Hazelwood Dr.	TE
*Webster, Wilda W.	MA	205 Tompkins	226	1819 W. Smallwood Dr.	
*Weed, Sterling B.	SOI	352 Williams	363	809 Tower St.	TE
Weldon, Bettye B.	AED	121 Tompkins	346	2610 Clark Ave.	TE
*Weldon, N. Warren	AGE	Oxford Tobacco Research Sta., Oxford, N.C.	5822	Stovall, N. C.	Stoval
*Wells, J. C.	PP	12 Gardner	336	229 Buck Jones Rd.	TE
*Wells, Jean S.	PY	4 Nuclear Reactor	229	707-D Daniels St.	TE
*Wentz, Patricia J.	Circulation	D. H. Hill Library	372	1022 Carlton Ave.	
†West, Madelyn D.	EST	7 Patterson	386 & 387	216 Hillcrest Rd.	TE
*Westmoreland, William G.	Ag. Ext.	458 Williams	329	713 Yarmouth Rd.	TE
*Weybrew, Joseph A.	CH	407 Williams	272 & 266	805 Pineland Dr.	TE
†Wheeler, Willie W.	AGE	Ag. Engr. Bldg.	484	315 E. Jones St.	TE
*Wheless, Mark H.	S.S.S.	YMCA	TE 2-3674 or 225	1501 Lutz Ave.	TE
Whetstone, Gloria K.	Serials	D. H. Hill Library	344	202 Groveland Ave.	TE
Whichard, Lindsay R.	ENG	7-9 Winston	325	2316½ Hillsboro St.	TE
Whisnant, Mamie N.	Ag. Ext.	305 Ricks	285	E-5 Raleigh Apt.	TE
*White, Ellen B.	Ag. Ext.	101 Ricks	244	1905 Park Dr.	TE
*White, James H.	Ag. Inf.	120 Ricks	TE 2-6541 or 279	2724½ Clark Ave.	TE
*White, Raymond C.	CH	115 Withers	297	1509 Lutz Ave.	TE
*White, William C.	SOI	330 Williams	209	3212 Bertie Ave.	TE
*Whitehead, L. C.	ZO	360 Gardner	261	2105 White Oak Rd.	TE
Whitfield, Hazel B.	MS	154 Coliseum	233	B-4 Wilmont Apts.	TE
*Whitfield, John K.	ME	315 Broughton	448	2377 McMullan Circle	TE
*Whitford, Larry A.	BO	265 Gardner	267	3217 Oak Grove Circle	TE
*Whitt, Mary S.	Circulation	D. H. Hill Library	372	124 Hawthorne Rd.	TE
*Whittier, B. L.	TX	103 Nelson Tex.	289	2718 Everett Ave.	TE
*Whittington, Willie M.	AS	145 Coliseum	314	Union St., Box 727, Hillsboro	
*Wiggins, Robert E.	TX	303 Nelson Tex.	287	119 Brooks Ave.	TE
*Wiggs, Joseph T.	HRT	New Greenhouse	418	33 Dixie Dr.	TE
*Wiles, Rachel D.	Tex. Res.	24 Nelson Tex.	288	3109 Hillsboro St.	TE
*Wilkinson, Erma T.	Indus. Exp. Pro.	Old Ceramic	464	2710½ Everett Ave.	TE
*Wilkinson, Howard M.	Ag. Ext.	113 Ricks	457	5224 Melbourne Rd.	TE
*Wilkinson, William D.	Eng. Res.	347 Riddick	427	2710½ Everett Ave.	TE
*Willard, Rudolph	IE	339 Riddick	428	S-3, Raleigh Apts.	TE
*Williams, Carlos F.	HRT	232 Kilgore	318	1912 Lewis Circle	TE
*Williams, Charles W.	Ag. Ext.	220 Patterson	306	302 Clay St., Cary	HO
*Williams, Elsie B.	N.C. Foundation Seed Producers, Inc.	124 Williams	TE 2-1573	218 New Bern Ave.	TE
Williams, Evan J.	EST	118 Patterson	313 & 335	1425½ Park Dr.	TE
*Williams, Gertrude H.	Ag. Ext.	451 Williams	329	315 Oakwood Ave.	TE
*Williams, H. Page	MA	223 Tompkins	228	1015 Brooks Ave.	TE
*Williams, Joanne C.	Eng. Res.	124 Riddick	423	1323 Brooks Ave.	TE
†Williams, Mary L.	SOI	226 Williams	345	1809 Bennett St.	TE

*Married
†Widowed

Name	Dept.	Office	Ext.	Address	
Williams, Porter	ENG	217-219 Winston	325	222 Hawthorne Rd.	TE
*Williams, Shirley L.	AGE	204 Mangum	342, 461	313 Quail Dr.	TE
*Williamson, James C., Jr.	AGC	205B Patterson	491	2210 Wheeler Rd.	TE
*Williamson, Marilyn L.	ENG	17-19 Winston	325	20 Meadowbrook Dr., Durham	TE
*Williamson, Vera P.	IE	328 Riddick	307	405 Calvin Rd.	TE
*Willis, David C.	CH	103 Withers	266	1219 Downing St.	TE
*Wilson, James B.	MA	201 Tompkins	226	618 Grove Ave.	TE
†Wilson, Jane H.	Student Affairs	101 Holladay	456	2204 St. Mary's St.	TE
Wilson, S. Virginia	Ag. Ext.	213 Ricks	354	1119 Harvey St.	TE
*Winecoff, Gilbert E.	AS	145 Coliseum	314	Rt. 4, Raleigh	TE
*Wingate, Clarence A., Jr.	ME	17 Broughton	246	701-B Daniels St.	VA
*Wingate, Jeannette E.	Purchasing	200 Morris	230 & 459	701-B Daniels St.	VA
*Winkler, Edwin W.	EE	223 Daniels	430	509 Gardner St.	TE
*Winstead, Nash N.	PP	208 Gardner	310	509 S. Lakeside Dr.	TE
*Winston, Sanford R.	SOC & ANT	201A Peele	374	1712 Piccadilly Lane	TE
*Winton, Lowell S.	MA	223 Tompkins	228	3007 Mayview Rd.	TE
*Wise, George H.	AI	304 Polk	241	229 Woodburn Rd.	TE
*Wise, Milton B.	AI	214 Polk	326 & 276	Rt. 1, Cary	HO
*Wise, Sarah V.	AI	114 Polk	305	2331 Kennington Rd.	TE
Wiser, Edward H.	AGE	302 Mangum	342, 461		
*Witmer, Samuel B.	TX	221 Nelson Tex.	417	508 Dixie Trail	TE
*Woltz, Willie G.	SOI	426 Williams	334	Box 912, Oxford, N. C.	TE
Woo, Henry K. C.	Tex. Res.	B53 Nelson Tex.	416	813-C Daniels St.	TE
*Wood, Alton E.	GN	345 Gardner	385	Rt. 2, Clayton N. C.	TE
*Wood, T. W.	EC	106 Peele	333	2822 Bedford Ave.	TE
*Woodburn, James	ME	322 Broughton	246	2409 Greenway Ave	VA
*Woodbury, Arthur J.	Tex. Res.	142 Nelson Tex.	416	1501 Duplin Rd.	TE
*Woodhouse, William W., Jr.	SOI	188A Williams	324	1511 Dixie Trail	TE
†Woodson, Pearl T.	Boarding	Leazar	TE 3-4825 - 6	20 Maiden Lane	TE
*Woolard, Roselyn B.	HRT	3 Kilgore	275 & 455	205 Grand Ave.	TE
*Wooldridge, Oscar B., Jr.	YMCA	YMCA	202	3105 Churchill Rd.	TE
*Worley, Billie A.	SOI	328 Williams	209	400 Parnell St.	TE
Wright, John D.	Bus. Off.	B Holladay	298	2400 Greenway Terrace	TE
†Wyatt, Candace L.	Ag. Inf.	23 Ricks	254	2702 Van Dyke Ave.	TE
Wynne, R. Baker	ENG	117 Winston	325	1411 Jackson St.	TE
*Yager, Frances H.	Tex. Res.	142 Nelson Tex.	416	Apt. 26-E, Verville	TE
Yancey, William A.	PY	Nuclear Reactor	393	Rt. 6	TE
Yates, Lois A.	College Union	C. U.	TE 4-7318	1705 Wake St.	TE
Yamamoto, Willy G.	Indus. Exp. Pro.	Old Ceramic	464	2724 Clark Ave.	TE
*Yionoulis, Mary N.	Engineering	243 Riddick	424	703 W. Morgan St.	TE
Young, Alice M.	College Union	C. U.	378	1914 Glenwood Ave.	TE
*Young, David A.	ENT	326 Gardner	400	612 Buck Jones Rd.	TE
Young, James N.	RS	335 1911 Bldg.	312	1957 Clark Ave.	TE
*Young, Elizabeth M.	Design	200 Brooks	437	520 Cleveland St.	TE
Young, Malpheus F.	FC	112 Williams	222	Rt. 4, Raleigh	TE
*Young, Talmage B.	IA	106 Tompkins	258	5249 Vann St.	TE
*Zobel, Bruce J.	GN	252 Kilgore	270	Holly Springs Rd.	TE
*Zschau, Helen	DN	201 Brooks	361	2125 Woodland Ave.	TE

*Married
†Widowed



House



Dance



Social



Dining



Music



Activities



Library



Film



Games



Hospitality



Photography



Alumni



Theater



Gallery



Forum



Religion

THE COLLEGE UNION COMMITTEES

PRESENT

THE

1957-1958

STUDENT DIRECTORY

CAMPUS ORGANIZATIONS

	President	Vice-president
Engineers Council	Edward Nuckolls	E. J. Poindexter
Interdormitory Council	Ronald Sneed	James Elsmore
Interfraternity Council	George Howard	Bob Gardner
Student Government	Jim Hunt	Dick Burgess
Veterans Association	Harris Johnson	Robert Williams
YMCA	Reggie Ponder	Fred Manley
Senior Class	Jim Peden	Neil Birch
Junior Class	Sammy Yow	Arron Capel
Sophomore Class	Eddie Knox	Earl Thompson
Agromeck	Richard Chalmers Editor Alex Hall Business Manager	
Southern Engineer	Paul Essex Editor Robert Todd Business Manager	
Technician	Dave Barnhardt Editor Loyd Kirk Business Manager	
Tower	Dr. Kingston Johns Editor & Manager	
WVWP Radio	William Bradley Manager William Kincheloe Business Manager	

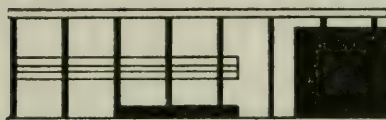
North Carolina State College

1957-1958

STUDENT DIRECTORY

This directory was compiled by the:

NORTH CAROLINA STATE



COLLEGE UNION

COLLEGE UNION OFFICERS AND CHAIRMEN

President	Chuck Abernethy
Vice-president	Dott Morton
Secretary	Creston Holoman

Chairmen

Activities	Jim May	House	Ervin Humphries
Dance	Roland Pennell	Library	Bobby Emory
Film	Preston Sasser	Music	Bill Barksdale
Forum	Ellen Culler	Outing	Bob Abernethy
Gallery	Jim Stevenson	Photography	Stan Timblin
Games	George Colton	Publicity	Paul Essex
Hobby	Charles Selden	Social	Ron Poinsett
Hospitality	Archie Copeland	Theater	Jon Bell

Corrections since October 15 are not included in this directory.

*Abe, Fujio, FR, EE, 348 Tucker, Box 4775, Te4-9739, 808 N. 1st St., Albemarle, NC
 Abee, David Winfield, SO, CHE, 127 Turl., Box 4224, Te4-9279, P.O. Box 524, Rutherford College, NC
 Abernathy, Donald Ray, SO, EE, 12 Syme, Box 3608, Te2-9150, P.O. Box 111, Mt. Holly, NC
 Abernathy, Ralph Garland, FR, EE, 304 Alex., Box 4170, Te2-9349, 407 S. Gray St., Gastonia, NC
 Abernathy, Timothy Glenn, JR, PPT, 1715 Park Dr., Te2-0885, 212 W. 5th Ave., Gastonia, NC
 *Abernethy, Francis Gerald, SR, EE, 125½ Woodburn Rd., Te2-1531, 125½ Woodburn Rd., Raleigh, NC
 Abernethy, Harry Charles, SR, CE, 902 W. South St., Te2-1722, 1218 1st Ave., N. W. Hickory, NC
 Abernethy, Ralph Lane Jr., FR, IE, 205 Watauga, Box 3023, Te2-9132, Rt.#3, Lenoir, NC
 Abernethy, Robert Lloyd III, JR, CE, 112 Harrison Ave., P.O. Box 630, Belmont, NC
 Abernethy, William Carl, SO, ARC, 133 Tucker, Box 4644, Te2-9367, Rt.#2, Huntersville, NC
 Aera, Robert, JR, TX, 312 Turl. Box 5223, Te2-9192, 92 Rue du magasin de L'Etat, Port-au-Prince, Haiti
 Aera, Roland, FR, TX, 312 Turl., Box 5223, Te2-9192, 92 Rue du magasin de L'Etat, Port-au-Prince, Haiti
 Adams, Alex Arden, FR, NE, 212 Syme, Box 3544, Te2-9150, Church St., Laurinburg, NC
 Adams, Andrew Albert, FR, MEA, 155 Owen, Box 4446, Te2-9115, 1637 Longfellow St., Charlotte, NC
 *Adams, Clarence Bynum, Jr., SO, CEC, Apt. 3, 3314 Pollock Pl., Va8-2958, 3314 Pollock Pl., Raleigh, NC
 Adams, Graham Clevearn, SO, FC, 361 Owen, Box 4572, 1220 Grace, Rocky Mount, NC
 *Adams, Gordon Leslie, JR, CEC, 821 Hillsboro, Va8-2953, 1304 Queens Rd., Kinston, NC
 Adams, Joseph Wm., JR, CE, 218 Alex., 1627 New Jersey Ave., New Castle, Del.
 Adams, Leo Francis, JR, EE, 6 Ferndell Lane, Te2-2265, Rt.#2, East Bend, NC
 Adams, Maynard Francis, FR, IE, 204 Faircloth St., Te2-1393, 204 Faircloth St., Raleigh, NC
 Adams, Robert Douglass, JR, IE, 130 Woodburn Rd., 1015 Coddington Pl., Charlotte, NC
 Adams, Robert Leon, FR, IRR, 115 Hawthorne, 51 Woodbury St., Paw., RI
 Adams, Robert Thompson, JR, EE, 1618 Hillsboro, Te2-4505, 1514 E. 25th St., Winston-Salem, NC
 Adams, Salathiel Liell, FR, EE, 309 Owen, Box 4526, Te4-9300, P.O. Box 96, Rowland, NC
 *Adams, Virginia Keaton, UN, RS, 2239½ Circle, Box 6142, Te3-9875, 2239½ Circle, Raleigh, NC
 Adcock, Joseph Wilfred, SO, AED, 118 Turl., Box 4215, Te4-9279, P.O. Box 495, Creedmoor, NC
 Adcock, Shelton Young, FR, ME, 319 Tucker, Box 4750, Te4-9739, Rt.#2, Box 37-A, Henderson, NC
 *Adcock, Wilton Lee Jr., JR, AI, 2839 Barmettler, Te2-1580, 1312 Chesnut, Henderson, NC
 Aderholdt, Charles Lamar, SO, EE, 141 Owen, Box 4435, Te2-9115, 503 W. 2nd St., Cherryville, NC
 Adkins, Charles Dewey, SR, CE, 132 Owen, Box 4427, Te2-9437, Morgan Rd., Leaksville, NC
 Adkins, Forest Wayne Jr., SO, CE, 2404 Clark Ave., Te4-7890, 2404 Clark, Raleigh, NC
 *Adkins, George Wm., SR, CHE, 2404 Clark Ave., Te4-7890, 2404 Clark, Raleigh, NC
 Afzal, Ifthkar, SR, TX, Box 5772 State College, Te2-4134, Karaeai, Pakistan
 Agin, Michael Jay, FR, IE, 341 Owen, Box 4555, Te4-9300, 67-38 108th St., Forest Hills, NY
 Agnos, John Nicholas, JR, EE, 203 Alumni House, Box 5876, Te2-9322, 2373 Walker Ave., Winston-Salem, NC
 Airey, George William, FR, CE, 212 Welch, Box 3260, Te2-9119, 122 N. Summerlin, Orlando, Fla.
 Al-Banna, Usam H. Azir, SO, ENG, 1128 N. Blount, Kard Al-Pasha, Baghdad, Iraq
 Alber, Derek, SO, EE, 46 Dixie Dr., Box 1642, Minas De Mathabre, Pinar Del Rio, Cuba
 Alber, Knud Dennis, JR, CE, 46 Dixie Dr., Box 1642, Minas De Mathabre, Pinar Del Rio, Cuba
 Alber, Glenn, JR, EE, 46 Dixie Dr., Box 1642, Minas De Mathabre, Pinar Del Rio, Cuba
 Alcorn, Francis Marion, GR, NE, 2702 Hillsboro, Te2-1835, 322 Cranbrook Rd., Raleigh, NC
 *Al-Doory, Abdul Aziz Turkey, SR, AGE, Box 5762 State College Sta., Te3-2129, Samarra, Iraq
 Aldridge, John Arthur, SO, EE, 103 Bagwell, Box 3303, 853 Watson Ave., Winston-Salem, NC
 Aldridge, Michael DeLano, SO, AED, 227 Bagwell, Te2-9131, Pink Hill, NC
 Alegranti, Benjamin, FR, TX, 304 E. Park Dr., Te2-7638, 101 Old Mom'k Rd., White Plains, NY
 Alexander, David Caldwell, SO, ME, 316 Tucker, Box 4747, Te4-9739, Rt.#1, Box 320, Matthews, NC
 Alexander, Joseph Richard, FR, MEA, 17 Becton, Box 3819, Te2-9261, Rt.#6, Box 260, Asheville, NC
 Alexander, Wilson McKenley, SR, FOM, 210 W. Harrington, Rt.#2, Mt. Gilead, NC
 Alford, Elmer Guy, Jr., SO, ARC, 108 Welch, Box 3244, Te2-9119, 4th Ave., West Hendersonville, NC
 Alford, James Lewis, FR, EE, 326 Becton, Box 3794, Te2-9372, Rt.#2, Whitakers, NC
 Alford, Michael Rives, SO, NE, 3814 Burt Dr., Te3-5654, 3814 Burt Dr., Raleigh, NC
 *Al-Hachim, Abdul Wahid, FR, HRT, 130 Woodburn Rd., Box 5755, Samarra, Iraq
 Ali, Asghar, 2402 Hillsboro, Te3-9108, Dist. Lyaillour, W. Pakistan
 *Ali, Rahmat, SR, TC & TX, 44 W. Dixie Dr., Te2-1403, Dist. Lyaillour, W. Pakistan
 Al-Jabry, Abdulabbass Hantosh, SR, ENT, 201 Ashe Ave., Box 5752, Te4-8066, Hai, Iraq
 Allen, Carroll Glenwood, JR, IE, 212 Becton, Box 3746, Te2-9334, N. Green St., Farmville, NC
 Allen, Cecil Oakley, SO, AG, 223 Owen, Box 4478, Te2-9252, Rt.#4, Roxboro, NC
 Allen, Charles Raymond, FR, CHE, 310 Bagwell, Box 3376, Te4-9151, 97-G Johnson Homes, Goldsboro, NC
 Allen, George Calrin, Jr., JR, IE, 1605 Scales St., Te2-5663, 206 E. 17th, Lumberton, NC
 Allen, George Lewis, Jr., SO, EE, 123 Owen, Box 4418, Te2-9437, 1009 Summit, Reidsville, NC
 Allen, Harold Spencer, FR, CE, 318 Tucker, Te2-9323, Rt.#3, Forest City, NC
 Allen, James Hardin, SR, CE, 203 Groveland Ave., Te2-6861, West Wade, Wadesboro, NC
 Allen, Leonard Leon, SO, AG, 322 Becton, Box 3790, Te2-9372, Rt.#1, Box 549, Roanoke Rapids, NC
 Allen, Melvin Lee, FR, CE, 151 Owen, Box 4442, Te2-9115, Rt.#1, Ramseur, NC
 Allen, Reading Howard Jr., SO, AG, 2226 Hillsboro, Box Te3-1140, Pantego, NC
 Allen, Norman Samuel, FR, ME, 247 Tucker, Box 4714, Te2-9387, Rt.#3, Graham, NC
 Allen, Robert Sabie, SR, FOM, 117 Turl., Box 4214, Te4-9279, P.O. Box 306, Forest City, NC
 Allen, Teddy Gray, SR, AED, P-1 Raleigh Apts., Te2-4343, Rt.#1, Farmville, NC
 Allen, Thomas Edward, JR, ARC, 20 Logan Ct., Te2-6219, 47 Hillview Ct., Lewiston, NY
 Allen, William Paul, FR, CE, 330 Turl., Box 4292, Te2-9192, Rt.#2, Box 34, Wilmington, NC
 Allen, William Ronald, SO, ME, 162 Owen, Box 4453, 160 Ave. G. SE., P.O. Box 1188, Winter Haven, Fla.
 Allen, Zack Clark, FR, NE, 224 Turl., Box 4252, Te2-9297, P.O. Box 11, Ansonville, NC
 Alley, Frank Mallard Jr., JR, GEE, 107 Bagwell, Box 3307, Te4-9419, P.O. Box 454, King, NC
 *Allgood, James G., AGC, 405 Union St., Cary, NC, Ho7-9547, Rt.#2, Yadkinville, NC
 Allgood, Gilbert Ray, SO, CE, 111 Turl., Box 4208, Te4-9279, Rt.#1, Box 241, Washington, NC
 Allin, William Gordon, SR, TX, 1620 Hillsboro, Box 5042, Te2-9531, 434 Manor Ridge Rd., Pelham, NY
 *Allison, Harry Richard Jr., JR, ARC, V 3B Cameron Court Apts., Te3-8147, 18 Manetta Rd., Asheville, NC
 *Alliston, Charles Walter, GR, AI, Apt. 4, 3326 Ruffin St., Va8-2043, 307 Oak St., Flowood, Miss.
 Allran, Charles Forest, SO, EE, 221 Turl., Box 4249, Te2-9297, 201A S. Rudisill Ave., Cherryville, NC
 Allred, Jesse Franklin, SR, CE, 2817 Wade Ave., none, Rt.#6, Box 519, Mt. Airy, NC

Allred, Johnny William, FR, ME, 207 Beeton, Box 3741, Te2-9334, Rt.#2, Elon College, NC
 Almond, Donald Wayne, JR, ME, 145 Tucker, Box 4653, Te2-9367, Rt.#3, Albemarle, NC
 Almond, James Alton, SR, EE, 145 Tucker, Box 4653, Te2-9367, Rt.#3, Albemarle, NC
 Aldridge, Robert Carl, SR, IE, 2715 Barnettler, none, P.O. Box 681, Gastonia, NC
 Alston, John Pavis, SO, MEA, 121 Syme, Box 3521, Te2-9288, Rt.#, Louisburg, NC
 Altman, Alan Hershel, FR, TX, 218 Syme, Box 3550, Te2-9150, 150 Belmont Ave, Jersey City, NJ
 Alvarez, Raul Eduardo, Faculty, 338 Reddick, Ex 423, 2713 Clark Ave., Raleigh, NC
 Aly, Fathy Ahmed, GR, TMP, Box 5786, Te2-7277, Alexandria, Egypt
 Aman, Lemuel Gillette, Jr., FR, AGE, 116 Owen, Box 4411, Te9-437, Rt.#2, Jacksonville, NC
 Ambler, Arthur Chase, Jr., SR, PPT, 109 Ash Ave., Box 5631, 3 Latrube Str., Asheville, NC
 Amburn, Lee Roy Jr., FR, ME, 4580 Owen, Box 4580, Te2-9142, Rt.#1, Ashland, NC
 *Ammons, Clifton Roosevelt Jr., GR, ABC, 19 Daisy St., Lillington, NC
 *Amos, Ray William, SO, EE, 337 Tucker, Box 4767, Te4-9739, Rt.#1, Valdese, NC
 Anders, Bryan, SR, AI, 214 E. Forest Dr., Te2-8186, P.O. Box 181, Bunsville, NC
 Anderson, Calvin Curtis, SO, MEA, 209 Syme, Box 5357, Te2-9150, Rt.#2, Tarboro, NC
 Anderson, Carl Woodliffe Jr., JR, ME, 221 Beeton, Box 3755, Te2-9334, 707 Main, Ramseur, NC
 Anderson, Donald Wayne, SR, EE, 308 Horne St., Te2-7050, 906 Main, Tarboro, NC
 Anderson, Ernest Andrew Jr., SR, 1710 Hillsboro, Te4-2001, Rt.#1, Box 52, Wilmington, NC
 Anderson, Gerald Von, Jr., FR, CEC, Tucker, Box 4642, Te2-9355, Rt.#3, Owensboro, Ky.
 Anderson, Harold Halcum, SR, ZO, 137 Owen, Box 4431, Te2-9115, Rt.#1, Rosehill, NC
 Anderson, Jim Arthur, SR, IA, 3418 Churchill Rd., 74 Januale, Asheville, NC
 Anderson, John R., JR, CE, 151 Owen, Box 4442, Te2-9115, Rt.#3, Box 444, Guilford Br., Greensboro, NC
 Anderson, Robert Louis, GR, AN, A. I. Dept., Ex 241, 1117 Scoville, Oak Park, Ill.
 Anderson, Thomas Oliver, SR, CRE, Lambda Chi Alpha, Te2-3429, 1715 Maryland Ave., Durham, NC
 *Anderson, Troy Hunt Jr., JR, ME, 16 Enterprise, Te4-7594, 16 Enterprise, Raleigh, NC
 Andrews, Charles Luther, SO, EE, 310 Tucker, Box 4743, Te4-9739, 110 Willard, Greensboro, NC
 Andrews, Charles Thomas, SR, EE, 1814 Horne St., 102 Meade Dr., Greensboro, NC
 *Andrews, George Henry Jr., SR, PPT, 805 Peace Ter., Te2-1804, 805 Peace Terr., Raleigh, NC
 Ang, George Tan, FR, TX, 112 Tucker, Box 4624, Te2-9388, 1368 Dewey Blvd., Manila, Philippines
 Angel, Douglas Hasten, SO, CE, 245 Tucker, Box 4713, Te2-9387, Rt.#3, Box 507, Kernersville, NC
 Angell, Robert Angell, JR, FC, 2409 Stafford Ave., Rt.#3, Mocksville, NC
 Anglin, Frank Lee, SO, ME, 312 Tucker, Box 4744, Te4-9739, Star Route, Bunsville, NC
 Annas, Samuel Leon, FR, ME, 232 Beeton, Box 3766, Te2-9334, Rt.#1, Hudson, NC
 Annas, Wesley E., SR, MEA, Alex., Box 4125, Te2-9257, P.O. Box 4915, Granite Falls, NC
 Annes, Gareth Edwin, SR, ARC, 202 Welch, Box 3250, Te2-9119, Rt.#1, Box 649, Hudson, NC
 Antoniewicz, Peter Roman, JR, EPY, 1620 Hillsboro, Box 5042, Te2-953, 315 S. Ellis St., Salisbury, NC
 Apple, Billy Reid, SO, AG, 110 Beeton, Box 3710, Te2-9256, Rt.#1, Gibsonville, NC
 *Apple, Robert Maurice, SR, CE, 2513 Stafford Ave., Te2-9125, 2513 Stafford, Raleigh, NC
 Apple, Vance Alton, SO, ME, 63 Owen, Box 4597, Te2-9142, Route 1, Box 288, Gibsonville, NC
 *Aranyi, Laszlo, SR, ARC, 101 Chamberlain, 60 Rauoczi Vt., Budapest VII, Hungary
 *Arca, Manuel Norberto, GR, Soils, 10 Montgomery, Apt. 1, Ave 2 de Mayo 986, Callao, Peru
 Archie, Joseph Patrick, SO, ME, 2612 Clark, Te2-9481, 1215 Carey Rd., Kinston, NC
 Ardito, Nicolas B., JR, AGE, 125 Owen, Box 4420, Te2-9115, P.O. Box 4339, Panama, Panama
 Arendt, Volker Dietrich, TC, 305 Turf., Box 4276, TE2-9192, 175 Castlewall Ave., Elberon, NJ
 Armstrong, Charlie Henry, FR, EE, 116 Alex., Box 4113, Te2-9257, P.O. Box 642, Warsaw, NC
 Armstrong, Edwina Clark, FR, ARC, 2614 Dover Rd., Te2-1889, 2614 Dover, Raleigh, NC
 Armstrong, Robert Powell, FR, EE, 215 Syme, Box 3547, Te2-9150, P.O. Box 236, Bladenboro, NC
 *Arnold, Edward Lee, GR, NE, 112 Dixie Tr., Va8-2283, 112 Dixie Trial, Raleigh, NC
 Arnold, Jerry Frank, FR, CRE, 1310 Hillsboro, Te2-5897, Spruce Pine, NC
 *Arnold, Millard Thomas, FR, EE, 317 New Bern Ave., Te2-2264, 317 New Bern Ave., Raleigh, NC
 *Arrdwood, Roy Mitchell, FR, CHE, Mendenhall Trailer Ct., Rt.#4, Morganton, NC
 Arthur, Ernest Stevenson, JR, CEC, 2512 Clark Ave., 102 Knollwood, Greensboro, NC
 Arthur, James Bernice, SR, ME, 6 Enterprise St., Te2-4788, 1300 Rhem St., Kinston, NC
 Arthur, James Harrison Jr., FR, ME, 267 Tucker, Box 4733, Te2-9387, 231 Summit Ave., Mt. Holly, NC
 *Arthur, Reuben Bell Jr., JR, CRE, 1908 1/2 Park Dr., Te3-1212, 4115 Walker Ave., Greensboro, NC
 Arthurs, David Franklin, FR, CE, 65 Owen, Box 4599, Te2-9142, 662 Cabarrus Ave., Mooresville, NC
 Asbill, Clarence Monroe III, SR, HAC, 2407 Stafford Ave., Te2-4457, 2407 Stafford, Raleigh, NC
 Asbury, Clayton Grant, SO, TC, 2 Beeton, Box 3804, Te2-9261, 1105 Grace St., Wilmington, NC
 Ashbaugh, Lawrence Emory, FR, CE, 326 Tucker, Box 4757, Te2-9323, 208 Nebraska Ave., Neville
 Island, Pgh. 25, Pa.
 Ashburn, Franklin Glendon, GR, IPS, 305, Gold, Box 3229, Te2-9263, 2918 Bayonne Ave., Baltimore 14,
 Maryland
 *Ashby, Donald Wayne, SR, ME, 302 Fourth, Box 3128, Te2-9159, 309 Church Ave., Kannapolis, NC
 Asher, Robert David Jr., SO, CE, 2004 Alexander Rd., Te4-0154, 2004 Alexander Rd., Raleigh, NC
 *Ashley, Quincy Ted, SR, HRT, 9-B Vetville, Te4-0131, Warrensville, NC
 Atesci, Ahmet, JR, TX, 40 Dixie Dr., Box 5701, Te4-0816, Adana, Turkey
 Atkins, George Calvin, SO, EE, 227 Beeton, Box 3761, Te2-9334, P.O. Box 144, Apex, NC
 Atkins, Harold Luther, SO, AGE, 221 Tucker, Box 4692, Rt.#2, Kernersville, NC
 *Atkins, James Edward, GR, AGE, P.O. Box 307, Angier, NC, 4681, Rt.#1, Cary, NC
 *Atkinson, John Henry Jr., P.O. Box 638, Cary, NC
 Atkinson, Marion Way, FR, CE, 338 Tucker, Box 4768, Te4-9739, Rt.#2, Box 30, Elizabethtown, NC
 Atwater, Henry Foust, JR, NE, 231 Syme, Box 3563, Te2-9150, 514 Fountain Place, Burlington, NC
 Auchmoody, Blake Paul, SR, IE, 217 Hawthorne Rd., Te4-7325, 952 Amboy Ave., Fords, NJ
 Auchmuty, Robert Bruce, JR, EE, Turf., Box 2664, Te4-9279, Rt.#2, Montoursville, Pennsylvania
 *Auman, Sherrill Leonard, JR, FMM, Rt.#2, Buffalo Trailer Park, Te4-1623, 606 Rotary Dr., High
 Point, NC
 *Ausband, Robert William, SR, EE, 2713 Avents Ferry Rd., Te2-3267, Rt.#1, Winston-Salem, NC
 *Austin, Edward Beard, SR, IE, 24-C Vetville, Te4-2951, 404 W. 7th Ave., Gastonia, NC
 *Austin, James Walten, SO, FMM, Rt.#3, Apex, NC, E14-3699, Rt.#3, Apex, NC
 Austin, Jerry Lamar, FR, ME, 120 Woodburn Rd., Te3-4522, 3100 Edgewater Dr., Greensboro, NC
 Austin, John Samuel, JR, ME, Bagwell, Box 3392, Te4-9151, Rt.#2, Taylorsville, NC

Austin, Pinknel Calloway Jr., FR, NE, 105 Tucker, Box 4619, Rt.#2, Granite Falls, NC
 Austin, Samuel Franklin, SR, TX, 708 St. Mary's St., Te4-6366, Rt.#1, High Point, NC
 *Austin, William Fredrick, SR, IE, 304 Fourth, Box 3130, Te2-9159, 1730 Matheson, Charlotte, NC
 Autry, Stacy Maurice, JR, ME, 2212 Hope St., Te2-4972, 209 Park Ave., Clinton, NC
 Avent, Thomas Edward, SO, CE, 122 Owen, Box 4417, Te2-9437, Rt.#2, Faison, NC
 Averette, Charles David, SO, CE, 326 Beeton, Box 3794, Te2-9372, P.O. Box R, Elizabethtown, NC
 Averette, William Hunt III, FR, ARC, 367 Tucker, Box 4793, Te4-9739, 3613 Hathaway Rd., Durham, NC
 Avery, Max Lindy, JR, CE, 628 New Rd., Te4-4584, Rt.#3, Dunn, NC
 *Avery, R. A. Jr., SR, EE, 579 Seventh, Smithfield, NC, 3954, 579 Seventh St., Smithfield, NC
 Aycock, Marvin Kenneth Jr., JR, AG, 327 Owen, Box 4542, Te4-9836, Rt.#2, Box 85-I, Warrenton, NC
 Ayers, Jayne Williams, FR, MED, 2807 O'Berry St., 2807 O'Berry St., Raleigh, NC
 Ayscure, Billy Newcomb, JR, AED, 2100 Hillsboro, Te4-6094, Rt.#2, Box 314, Henderson, NC
 Ayscue, William Henry Jr., SO, CHE, 255 Owen, Box 4506, Te2-5292, 111 Norris Rd., Wilmington, Del.
 *Ayscue, William Spurgeon, SO, TX, 201½ Dixie Trail, Te2-8556, 122 Clark St., Henderson, NC
 Ayyub, Hafiz Muhammad, GR, TX, Box 5761, Te3-9108, Ghulane Oasim St., Khanpur, W. Pakistan

 *Babb, Herman Howard, SR, ARC, 23-A Vetville, 23-A Vetville, Raleigh, NC
 Badger, John Milton, FR, NE, 136 Tucker, Box 4646, Te2-9367, Rt.#2, W. Jefferson, NC
 Baggett, Bobb Ray, 107 Ash Dr., Te2-1257, Rt.#2, Dobson, NC
 Baggett, Samuel Millard, SO, NE, 326 Bagwell, Box 3386, Te4-9151, 524 Charlotte Ave., Sanford, NC
 Bailey, Bobby Joel, SR, TC, 101 Turle., Box 4200, Te4-9279, Rt.#4, Box 24, Rutherfordton, NC
 Bailey, David Ernest, GR, NE, 2412 Everette Ave., Te2-6377, 845 S. Bennett St., Southern Pines, NC
 *Bailey, Donald C., JR, TX, 18 Turner St., Te4-3870, 1112 Spindale St., Spindale, NC
 Bailey, Leon Waverly Jr., JR, ME, 612 N. Blount St., Te4-1660, 517 Sharon Amity Rd., Charlotte, NC
 Bailey, Paul Williamson, SR, FC, 2100 Hillsboro, Te4-6093, P.O. Box 116, Everetts, NC
 Bailey, Richard Everette, JR, IA, 305 Welch, Box 3265, Te2-9119, P.O. Box 114, Faison, NC
 *Bain, James Hammett, SO, ME, 1611 Vale Ave., Te4-2432, 211 E. Blount St., Kinston, NC
 *Baird, Bruce Lloyd, GR, Soils, 101 Williams Hall, Ext. 345, 2356 Grant Ave., Raleigh, NC
 *Baird, Lloyd Robert, SR, TX, Apt. 20-B Vetville, Rt.#4, Morganton, NC
 Baird, William Lynnwood, SR, CE, 1507 St. Mary's St., Te2-0875, 1507 St. Mary's St., Raleigh, NC
 Baker, Charles Nelson, FR, ME, 267 Tucker, Box 4733, Te2-9387, 1022 Maple St., Henderson, NC
 Baker, Clarence Jerveld, JR, EE, 205 Welch, Box 3253, Te2-9119, P.O. Box 48, City Mounted, Canton, NC
 *Baker, Daniel Glenn, SO, ME, 3028 Leonard St., 153 Cedar St., Concord, NC
 Baker, David Joseph, SO, IA, Fourth, Box 3130, Rt.#1, Oxford, NC
 Baker, Donale Joseph, FR, IRR, 122 Owen, Box 4417, Te2-9437, 766 6th St., Charlerois, Pa.
 *Baker, Frank Hartwell, SR, FC, 3215 Ruffin St., Rt.#1, Oxford, NC
 Baker, Fred Eugene, SO, ME, 109 Gold, Box 3209, Te2-9263, Rt.#2, Conover, NC
 Baker, James Earl, GR, BO, 8 Ferndell Lane, Te2-1755, 12503 Bushey Dr., Wheaton, Md.
 Baker, John Randolph Jr., FR, E, 325 Owens, Box 4540 Te4-9300, 715 Gladstone, Atlanta, Ga.
 Baker, Junius Oca Jr., FR, FOR, 212 Summit Ave., Te2-3244, 212 Summit Ave., Raleigh, NC
 *Baker, Max Norris, JR, ME, College View Trailer Park, 1508 Frank Rd., Te2-9110, P.O. Box 92, King, NC
 Baker, Neil Duncan, FR, CE, 328 Tucker, Box 4768, Te4-9739, P.O. Box 334, Rowland, NC
 *Baker, Preston Gwyn, Jr., JR, TC, 1512 Simpkins St., Te4-1835, P.O. Box 11, Drexel, NC
 Baker, Robert Homer, JR, CE, 205 Bagwell, Box 3337, Te2-9131, 504 Northern Blvd., Wilmington, NC
 Baker, Wallace Riddick Jr., SO, AED, 306 Syme, Box 3570, Te2-9222, Rt.#1, Belvidere, NC
 Baker, Warren David, FR, NE, 208 Owen, Te2-9252, Rt.#1, Dallas, NC
 *Baker, William Cleveland, JR, CE, 602 E. Chatham St., Cary, NC, none, 1314 Queens Rd., Kinston, NC
 Baker, William S., JR, CE, 108 Newell St., Durham, NC
 Balan, R. Celso, FR, CHE, 17½ Bagwell Ave., Agromonte #115, Jaguey Grande, Cuba
 Balaban, Lawrence David, JR, TX, 304 E. Park Dr., Te2-7637, 555 Ocean Ave., Brooklyn, NY
 Baldovinos, Francisco, GR, AG, 356 Williams Hall, Ext. 220, Av. Plan de San Luis #590 Mexico 16, Mexico D. F., Mexico
 Baldwin, Edward Braswell Jr., GR, ZO, 803 W. Lenoir St., State College Ext. 445, 1810 Jordan Ave., Murfreesboro, Tenn.
 *Baldwin, Max Elam, JR, FMM, F-6 Shelton Apts., Va8-2024, P.O. Box 64, Ramseur, NC
 Baldwin, John Kelly, FR, AED, 53 Tucker, Box 4803, Te2-9186, P.O. Box 142, Abbotsburg, NC
 Baldwin, Frederick Foster, FR, FOR, 210 Beeton, Box 3744, Te2-9334, Clarkton, NC
 Baldwin, John William, FR, E, 156 Tucker, Box 4663, Te2-9388, Rt.#1, Elon College, NC
 Baldwin, Von Mcloyd, FR, EE, 125 Bagwell, Box 3325, Te2-9129, 502 S. Miami Blvd., Durham, NC
 Bales, Edridge Theodore, FR, EE, 704 W. Aycock St., Te4-7800, 704 W. Aycock St., Raleigh, NC
 Bales, Nathan Kinney, FR, NE, 309 Welch, Box 3269, Te2-9119, 607 Locke, High Point, NC
 Ball, David Graham Jr., FR, CE, 606 Harding St., Te2-3709, 606 Harding St., Raleigh, NC
 Ball, Frederick Louis, FR, CE, 2725 Anderson Dr., Te2-2306, 2725 Anderson Dr., Raleigh, NC
 *Ball, Phillip Ray, JR, CEC, 718 Rosemont Ave., Te4-0645, P.O. Box 111, Varina, NC
 Ball, William Bernie, JR, EE, 118 Hawthorne Rd., Te2-3897, Rt.#2, Newport, NC
 Ball, William Roy, SO, EE, 331 Alex., Box 4194, Te2-9349, Rt.#2, Burgaw, NC
 Ballard, Donald Lee, FR, ME, 231 Alex., Box 4194, Te2-9349, 120 Davis St., Kernersville, NC
 Ballard, Lewis Franklin, 2702 Hillsboro, Te2-1835, Rt.#2, Mooresville, NC
 Ballard, Marion Hayes, SR, MED, 1710 Park Dr., Te2-1387, P.O. Box 156, Shallotte, NC
 *Ballard, Richard Phillip, JR, EE, 4-H Vetville, Te4-4739, P.O. Box 354, South Hill, Va.
 Ballard, Roger Wood, SO, ARC, 355 Tucker, Box 4782, Te2-9323, 420 New Haw Creek Rd., Asheville, NC
 Ballard, William Charles, SO, EE, 2226 Hillsboro, Te2-1140, Rt.#2, Fuquay Springs, NC
 Ballard, William Rhodes, SR, FMM, 315 Forest Rd., Te2-3788, Swannanoa Rd., Asheville, NC
 Ballenger, Edward Brodus, FR, EE, 315 Turle., Box 4277, Te2-9192, c/o Duke Power Co., Chiffside, NC
 *Ballenger, Ray Herbert, JR, ME, 2605 Wade Ave., Te2-0081, 717 Herring Ave., Wilson, NC
 Ballenger, Theodore Thomas, SR, HAC, 2714 Rosedale, Te2-9570, 2714 Rosedale St., Raleigh, NC
 Ballenger, William Lewis, SO, ARC, 353 Owen, Box 4564, Te4-5836, 138 St. Charles St., Concord, NC
 Balonick, Paul Lawrence, SO, IA, 148 Owen, Te2-9437, 309 W. 2nd Ave., Du Bois, Pa.
 *Bangdiwala, Ishverlal Surhand, GR, EST, Inst. of Statistics, Box 5467, 27/29 Third Agiari Lane, Parsee Gali, Bombay, India

Banks, Norman Earl, SO, NE, 115 Hawthorne Rd., Te4-3854, 1704 Tryon Rd., New Bern, NC
 Banks, Richard Thomas, 122 Ashe St., 2205 Henderson Ave., New Bern, NC
 Banner, Wilbert Theodore, JR, FOM, 201 Syme, Box 3533, Te2-9150, 300 Queens Rd., Sanford, NC
 Bannerman, Carl Jackson, SO, CE, 330 Bagwell, Box 3711, Te4-9151, Burgaw, NC
 Bannerman, William Haywood, FR, EE, 260 Tucker, Box 4727, Te2-9387, P. O. Box 115, Carolina Beach, NC
 *Barbee, Eugene Files, SR, IA, 116 Forest Rd., 1212 Morningside Dr., Charlotte, NC
 *Barbee, George William, FR, EE, 825 Ellis Rd., Durham, NC, 9-7451, 825 Ellis Rd., Durham, NC
 Barbee, Morris Hawthorne, SO, TC, 22 Syme, Box 3618, 317 Frances Pl., Kinston, NC
 Barbee, Robert Paul, SO, CHE, 324 Alex., Box 4187, Te2-9349, Rt. #1, Oakboro, NC
 *Barber, Grosveour Goodridge, 10 Willow, Cary, NC
 Barber, Robert Francis, SR, AH, 64 Owen, Box 4589, Te2-9142, 618 W. Allen St., Hendersonville, NC
 Barbot, James C., SO, EE, 126 1/2 Faircloth St., 114 S. 6th St., Wilmington, NC
 Barbour, Jesse Otto Jr., SO, MFA, 213 Syme, Box 3545, Te2-9150, P.O. Box 801, Morganton, NC
 Barbour, Maurice Wendell, JR, IRR, 103 Watauga, Box 3003, Te2-9447, Rt. #3, Box 222A, Fayetteville, NC
 Barbour, Jon Carr, 101 N. Boylan Ave., 427 Glenwood Ave., Burlington, NC
 Barbour, William Alonzo Jr., FR, EE, 229 Bagwell, Box 3366, Te2-9131, P.O. Box 181, Benson, NC
 *Barden, Edward Watson, SR, WT, 36-E Vetteville, Te2-4102, Rt. #2, Amelia, Va.
 *Bare, Walter Warren, SR, IE, 11-E Vetteville, Rt. #1, Box 121, Jefferson, NC
 *Bare, William Howard, JR, MED, 310 Summit Ave., Sanford, NC, Rt. #2, Box 192, West Jefferson, NC
 *Barefoot, Bright Hilton, FR, ME, 829 A Daniels St., VaS-2383, 4909 Buckingham Dr., Charlotte, NC
 *Barefoot, Everette G., Williams Hall, Rm. 256, Rt. #1, Four Oaks, NC
 Barefoot, William Eddy, FR, ME, 206 Owen, Box 4463, Te2-4252, 3021 Dogwood Ave., Charlotte, NC
 *Barger, Lynn Kelly, SR, CE, 2402 Clark Ave., apt. 3, VaS-9388, Rt. #2, Rockwell, NC
 *Barkalow, Joan Metzger, 2610 Wade Ave., Te3-4397, 2610 Wade Ave., Raleigh, NC
 Barker, Bennie Lee, FR, EE, 320 Syme, Box 3584, Te2-9222, P.O. Box 186, Warrensville, NC
 *Barker, Harold Gray, SR, AGE, 823 C Daniels St., Te3-4002, Rt. #6, Statesville, NC
 Barker, Jeter Oliver Jr., JR, EE, apt. 3, 10 Enterprise St., 106 North-Ridge St., Greensboro, NC
 Barker, William W. III, FR, CE, 221 Turl., Box 4249, Te2-9297, 906 W. Broad St., Wilson, NC
 Barlage, William Berdell Jr., GR, CHE, Dept. CHE, Te2-0207, 8142 Forrest Ave., Philadelphia 50, Pa.
 Barkley, Daniel Edwin, SO, FMM, 4 Berry, Box 4337, Te2-9350, 316 W. Union, Morganton, NC
 Barksdale, William Benjamin Jr., JR, EE, 1503 St. Mary's St., Te2-9855, 1503 St. Mary's St., Raleigh, NC
 *Barlow, Wayne Setler, SR, PPT, 24-E Vetteville, Te2-9646, Rt. #1, Lenoir, NC
 Barnes, David Cranford, FR, FMM, 365 Owen, Box 4576, Te4-9836, 1265 S. Sharon Rd., Lenoir, NC
 Barnes, Donald Ray, JR, CE, 2607 Clark Ave., Te2-4229, 1007 Wilson St., Wilson, NC
 Barnes, Elliott Burton Jr., FR, EE, 306 Bagwell, Box 3372, Te2-9151, Corapeake, NC
 Barnes, Jack Kenneth, SO, NE, 132 Tucker, Box 4643, Te2-9388, 319 E. Elm St., Graham, NC
 Barnes, James Elmore, SO, CE, 2708 Everett Ave., Te2-7013, 2708 Everett Ave., Raleigh, NC
 Barnes, Lawrence Duke, JR, CRE, 214 Beeton, Box 3748, Te2-9334, 1708 P'tree Rd., Atlanta, Ga.
 Barnes, Lehman Wilder, JR, SED, 2512 Clark Ave., Te2-4843, 434 S. 2nd St., Smithfield, NC
 Barnes, Roy Russell, FR, EE, 201 Tucker, Box 4674, Te2-9387, P.O. Box 476, Battleboro, NC
 *Barnes, Thomas Jefferson, SR, AGE, 620 Grove Ave., Rt. #2, Angier, NC
 Barnes, William Norman Jr., SO, WPM, 216 N. Person, Te4-9853, 507 E. 13th St., Lumberton, NC
 Barnes, William Rufus, SO, MED, 129 Alex., Box 4124, Te2-9257, Rt. #2, Angier, NC
 Barnes, William Siebert Jr., SO, IA, 2226 Hillsboro, Rt. #1, Linwood, NC
 Barnette, Benjamin Harrison Jr., SR, AG, 306 Fourth, Box 3132, Te2-9159, Rt. #4, Box 128, Lenoir, NC
 Barnette Fred Alexander, Jr., FR, E, 2703 1/2 Clark Ave., 2210 Briarwood, Charlotte, NC
 *Barnhardt, Billy Elmer, SR, EE, 161 Owen, Box 4452, Te2-9437, 51 Bell Ave., Concord, NC
 *Barnhardt, John David, SR, TX, 815-B Daniels St., Te4-7246, 1512 Queens Rd., W. Charlotte, NC
 Barnhardt, Robert Lee, SR, MTE, 208 Bagwell, Te2-9131, 912 Main St., Phoenixville, Pa.
 Barnhill, Alton James Jr., FR, CE, 2720 Vanderbilt Ave., Te2-8919, Rt. #1, Bunnville, NC
 Barnhill, Walter Orion, JR, IE, Sigma Nu Fratt., Box 5642, Te2-9531, 911 Aycock St., Wilson, NC
 *Barnwell, Raymond Leslie Jr., SO, EE, 2121 Sheffield Rd., Te4-3842, P. O. Box 212, York, South Car.
 Baron, Ronald L., SR, ENT, Ent. Dept., Box 5215, State College Ext. 384, 3511 Putnam Place, Bronx 67, N.Y.C., NY
 Barr, Russell Wilson Jr., FR, FMM, 12 Syme, Box 3608, Te2-9421, W. Jefferson, NC
 Barrett, Bobby Ray, FR, TX, 157 Tucker, Box 4664, 2809 Georgia Ave., Charlotte, NC
 *Barrett, Gary Steve, SO, ME, Buffaloe Trailer Pk., Rt. #3, P.O. Box 2536, Gastonia, NC
 Barrett, Rolin Farrer, JR, ME, 2500 Grant Ave., Te4-8961, 2500 Grant Ave., Raleigh, NC
 Barrier, Cleveland Lipe Jr., FR, AG, 241 Tucker, Box 4711, Te3-9387, Rt. #1, Mt. Pleasant, NC
 Barrier, Hubert Lane Jr., FR, NE, 319 Syme, Box 3533, Te2-9222, P.O. Box 288, Independence, Va.
 Barringer, Barry Sinclair, FR, CHE, 232 Tucker, Box 4703, Te2-9387, Rt. #2, Newton, NC
 *Barringer, Bevan Kyle Jr., 605 Woodburn Rd., Te3-7611, 424 W. Horah St., Salisbury, NC
 *Barringer, Eddie Max, JR, TC, 49 W. Dixie Dr., Te4-0519, Rt. #1, Maiden, NC
 Barringer, George Luther, FR, CE, 225 Syme, Box 3557, Te2-9150, Rt. #2, Box 17, Rockwell, NC
 Barringer, Hubert Paul, SR, ME, 308 Beeton, Box 3776, Te2-9372, 118 W. Texas Ave., Bessemer City, NC
 Barringer, Larry Erwin, FR, CE, Tucker, Box 3703, Te2-9387, 72 27th St., N.W., Hickory, N. C.
 Barrow, Thomas Ernest, FR, CHE, 329 Tucker, Box 4769, 641 W. 2nd St., Winston-Salem, NC
 Barrows, Timothy Hollis, Prof., ARC, 313 Bagwell, Box 3379, Te4-9151, P.O. Box 4485, Ft. Lauderdale, Fla.
 *Bartholomew, Norman Eugene, FR, ARC, Hodges Trailer Pk., Rt. #2, Box 10505, VaS-2472, Poole Rd., Rt. #2, Raleigh, NC
 *Bartlett, Isaiah Duff, 705 Colleton Rd., Te4-8607, 705 Colleton Rd., Raleigh, NC
 Bartlett, William Kenneth Jr., SO, CE, 245 Owen, Box 4497, Te2-9410, 21 Arco Rd., Asheville, NC
 Bartlett, William Preston, SR, CE, 2400 Delta Dr., Box 5111, Te4-7914, Camden, NC
 Barwick, Eugene Thomas, JR, AGE, Stadium, Box 4359, Grifton #2, NC
 Barwick, John Henry, JR, AGE, 12 Stadium, Box 4357, Te4-9803, Rt. #2, Grifton, NC
 Bason, George Stanford Jr., JR, MAG, 150 Tucker, Box 4657, Swepsonville, NC
 *Basinger, Donald Lee, SO, CE, 2339 Bernard St., Rt. #2, Box 373, Salisbury, NC
 Basingnight, Floyd Lee, JR, ME, 154 Owen, Box 4445, Te2-9437, Manns Harbor, NC
 *Bass, Billy G., SR, NE, 215 N. Bloodworth, Te4-2137, 104 Maple St., Thomasville, NC

Bass, James Haywood, 129 Becton, Box 3729, Te2-9256, P.O. Box 81, Louisburg, NC
 *Bass, James Milton, JR, IA, 1508 Frank St., Rt.#2, Clinton, NC
 Bass, John Lewis, SO, FOR, 214 Forest Dr., Te2-8186, 109 Church St., Tarboro, NC
 *Bass, Robert Edwin, SR, AGE, 407 Gardner St., Te4-5519, 204 Academy St., Roxboro, NC
 *Bass, Roberick Sidney, SO, MEA, 114 Becton, Box 3714, Te2-9256, Rt.#2, Nashville, NC
 Bass, Weldon Roy, SR, EE, Sigma Nu Frst., Box 5042, Te2-9531, Rt.#4, Dunn, NC
 *Bassett, Donald George, FR, EE, 519 W. Aycock, Te4-0659, 2083 George St., Shawinigr Falls, Quebec, Canada
 Batchelor, Billy Dale, Rt.#4, Wicker Trailer Ct., Rt.#1, Box 288, Wilson, NC
 *Bateman, David Thompson, FR, CHE, 802 Dixie Trail, Tyner, NC
 *Batte, Thomas Cosby, JR, MEA, 1508 Frank St., Te2-9110, 1508 Frank St., Raleigh, NC
 Batten, Coy Medlin, SO, ME, 227 Owen, Box 4482, Te2-0252, Rt.#2, Kenly, NC
 Batten, James Rufus, FR, DM, 112 Alex., Box 4109, Te2-9257, Rt.#1, Middlesex, NC
 Batten, Virgil Felix, SO, FOR, 203 Owen, Box 4460, Te2-9252, Rt.#2, Whiteville, NC
 Battista, Elio, JR, MEA, 207 Welch, Box 3255, Te2-9119, 120 Summer, Somerville, Mass.
 Batton, James Lionel, 150 Maywood Ave., Te3-5466, 150 Maywood Ave., Raleigh, NC
 Batts, Gerald David, JR, GEE, 103 Welch, Box 3239, Te2-9119, Rt.#1, Hampstead, NC
 *Batts, LeRoy Ogleyhorpe, JR, GR, OIG, 601 Aiken Parkway, Fuquay Springs, NC
 Baucum, Henry Hayne, JR, GR, NE, 1710 Hillsboro, Te2-6545, Lancaster Ave., Monroe, NC
 Baucum, Joel Dale, FR, FOR, 308 Owen, Box 4525, Te4-900, Rt.#1, Jobaccoville, NC
 Baucum, John Cartton, FR, ARC, Ho7-2881, 305 Middleton St., Cary, NC
 Baucum, Julian Milton, SR, AH, 64 Tucker, Box 4814, Te2-9252, Rt.#2, Raleigh, NC
 Baucum, Marshall Howard, UN, GS, 1710 Hillsboro, Te3-6545, 304 Lancaster Ave., Monroe, NC
 Baucum, William Byrd, FR, ME, 317 Becton, Box 3785, Te2-9372, Rt.#2, Raleigh, NC
 Bauer, Lawrence Peter Jr., JR, PPT, 213 Turl., Box 4241, Te2-9297, 1706 Oak, Georgetown, SC
 Baxter, Edward Joseph, FR, EE, 335 Alex., Box 4196, Te2-9343, 1803 W. Market, Greensboro, NC
 Baxter, John David, JR, EE, 10 Enterprise St., Apt. 3, 4516 Winston Rd., Greensboro, NC
 Baxter, Larry Ben, SO, AED, 2601 Clark, Te2-8631, Rt.#1, Cherryville, NC
 Bazanos, Peter Anthony, JR, IRR, 6 Berry, Box 4339, Te2-9350, 177 Fiske Ave., Staten Island 14, NY
 Beacon, Joseph Albert, SR, EMA, 137 Alex., Box 4129, 453 Donald Rd., Pittsburgh 35, Pa.
 Beadles, Robert Leon, SO, EE, 129 Tucker, Box 4640, Te2-9388, Rt.#3, Hayesville, NC
 Beam, David Conrad, SO, CHE, 229 Tucker, Box 4700, Te2-9387, Rt.#2, Lawndale, NC
 *Beamman, Philip Leo, SR, AGE, 211 Park Ave., Rt.#1, Walstonburg, NC
 Beamer, William Fred, SO, NE, 307 Alex., Box 4172, Te2-9349, 240 W. Lebanon St., Mt. Airy, NC
 *Bean, Bernie Cletus, SR, FMM, 2321 Grant Ave., Te2-0943, 2321 Grant Ave., Raleigh, NC
 Bean, Donald Wilson, SR, ME, 2512 Clark, Te2-4843, Rt.#2, East Bend, NC
 Bean, Fred Harold, SR, EE, 1115 Hillsboro, Te2-6250, 607 Highland Ave., High Point, NC
 Bean, Walter Louis Jr., SO, FMM, 1620 Hillsboro, Box 5402, Te2-9531, 525 3rd Ave., S. E., Lenoir, NC
 Beard, Hoyt Sturdiant, FR, ME, 325 Syme, Box 3589, Te2-9222, P.O. Box 384, Pittsboro, NC
 *Beard, Wayne A., FR, PPT, 206 Chamberlain, Te3-2478, P.O. Box 468, Jamesville, NC
 Beasley, Benjamin Forrest, Te2-8491, 2729 Anderson Dr., Raleigh, NC
 Beasley, Donnie Franklin, FR, IA, 226 Owen, Box 4481, Te2-9410, Rt.#2, Benson, NC
 *Beasley, Eustace Orland, Rt.#3, Box 52, Four Oaks, NC
 Beasley, Jerry Nelson, SO, PPT, 330 Owen, Box 4545, Te4-9836, P.O. Box 644, Sylva, NC
 Beasley, Leroy Jr., JR, NT, 117 S. Boylan Ave., Te2-3193, Rt.#2, Box 23, Wilmington, NC
 *Beasley, Robert Earle, JR, ME, 963 Peace Ter., Halifax Courts
 *Beason, Billy Gibson, SO, FMM, 2320 Clark, Apt. E, Boiling Springs, NC
 *Beatty, Henry Francis, SR, TX, 17-A Vetville, Te3-6293, Charlotte, NC
 Beatty, Neill McLaurin, SR, IA, P.O. Box 10594, Raleigh, NC, Te2-6803, P.O. Box 27, Elizabethtown, NC
 *Beaver, Aubrey Don, FR, EE, 109 Alex., Box 4107, Te2-9257, 2748 Allen Rd., South, Charlotte, NC
 *Beaver, Guy Mack, SR, ME, 130 Woodburn, none, 130 Woodburn Rd., Raleigh, NC
 Beaver, James Burton, SO, CE, 206 Becton, Box 3740, Te2-9334, 705 N. Fulton, Salisbury, NC
 *Beaver, Junius Leroy, SO, FOR, 921 Peace Terr., Rt.#2, Box 104, High Point, NC
 *Beaver, Norman Alexander, JR, CE, Cary, NC, Rt.#2, Box 40, China Grove, NC
 Beck, Harold Drew, JR, MEA, 115 Woodburn, Te2-2933, 530 Weatherspin, Sanford, NC
 *Beck, James, Lee, SR, AG, 2309 McMullan Cir., Te4-0459, P.O. Box 52, Wingate, NC
 Beck, Jerry Brock, FR, ME, 217 Syme, Box 3549, Te2-9150, 909 Caldwell St., Greensboro, NC
 *Beck, John Lewis Jr., SO, EE, 221 Syme, Box 3553, Te2-9150, 122 Concord St., Greensboro, NC
 Beckham, Paul Woods, SR, CE, 301 Fourth, Box 3127, Te2-9159, 1798 N.E. 177St., N. Miami Beach, Fla.
 Bedo, Gerard Walter, SO, PPT, 109 Tucker, Box 4622, Te2-93667, 1415 Tuckerman St., Washington, DC
 Beer, Michael, GR, IPS, Gold, Box 3221, Te2-9263, 119-20 Union Turnpike, Kew Gardens 15, NY
 Beeson, Hugh Curtis, SR, ME, 1509 Hillsboro, Te2-2556, Rt.#3, Kernersville, NC
 *Behnken, Donald W., GR, EST, 1631 Van Dyke Ave., Te4-3063, 196-05 110th Ave., St. Albans 12, NY
 Bell, Albert Quentin Jr., SR, WCM, 605-C Woodburn Rd., Manteo, NC
 Bell, Charles Edward, FR, EE, 523 Hamilton St., Roanoke Rapids, NC
 Bell, Gerald Henry, 132 Woodburn Rd., 703 Simpson St., Greensboro, NC
 Bell, John Henry Jr., FR, ME, Alex., Box 4184, Te2-9549, Rt.#1, Pineville, NC
 Bell, Jon Michael Jr., EE, TE 3-3289, 707 Aycock St., Raleigh, NC
 Bell, Thurman Ronald, SO, TX, 112 Grand Ave., Te2-0504, 112 Grand Ave., Raleigh, NC
 Bell, Tony Haldon, FR, CE, 301 Syme, Box 3565, Te2-9222, Rt.#1, Jonesville, NC
 Bell, William Franklin III, JR, ME, 120 Groveland Ave., Te2-5093, 120 Groveland Ave., Raleigh, NC
 Bell, William Hoyt, SR, IRR, 135 Owen, Box 4429, P.O. Box 105, Warsaw, NC
 Bellis, Vince Jerome, SO, CHE, 140 Owen, Box 4434, Te2-9115, c/o V. A. Hospital, Fayetteville, NC
 Belt, Clifford Albert, FR, ARC, 338 Owen, Box 4552, Te4-9836, 116 Charmuth Rd., Timonium, Md.
 *Beman, Lyle Lew, JR, IA, B-3 3200 Hillsboro, Va8-2039, B-3 3200 Hillsboro, Raleigh, NC
 *Benjamin, William Edward, SR, CE, Rt.#5, Raleigh, NC, Te4-0596
 Bennett, Bobby Gene, FR, ME, 207 Owen, Box 4464, P.O. Box 111, Glen Alpine, NC
 *Bennett, Carroll, Winford, SR, AGE, 30-F Vetville, Jackson Springs, NC
 Bennett, George Ratliff, FR, EE, 202 Freeman St., Te4-7727, 202 Freeman St., Raleigh, NC
 Bennett, Hugh C. Jr., JR, TC, Te3-1126, 2812 Claremont Rd., Raleigh, NC
 Bennett, James Franklin, FR, MEA, 264 Owen, Box 4515, Te2-9252, 2413 E. 5th St., Charlotte, NC

Bennett, Joseph Thomas, FR, ME, 813 Syme, Box 3577, Te2-9222, P.O. Box 257, Marshville, NC
 *Bennett, Robert Edwin, SO, EE, 4105 Western Blvd., Te2-6223, 4105 Western Blvd., Raleigh, NC
 Bennett, Thomas Lyndon, JR, IA, 350 Owen, Box 4561, Te4-5600, 367 Guild Dr., Chattanooga, Tenn.
 Bennett, Willett Boyd Jr., JR, NE, 181¹/₂ Horne St., Box 5082, Te4-7470, 1402 Highland Ave., Hendersonville, NC
 Benson, Neil Carson, SO, ME, 107 Turl., Box 4205, 707 Fairmont St., Greensboro, NC
 Benton, Franklin Eugene, FR, AGC, Rt.#1, Varina, NC
 *Benton, Kenneth Roberts, SR, CKE, 207 N. Blount St., Te2-0679, 149 Hill Ave., Sanford, NC
 Benton, Lucian Ralph Jr., FR, ME, 362 Owen, Box 4573, Chadbourne, NC
 Benton, Robert Rutland, JR, EE, 205 Turl., Box 4236, Te2-9227, 1708 Doune St., Winston-Salem, NC
 Berg, William Albert, GR, Soils, 356 Williams Hall, 117 Columbine, Sterling, Colo.
 Bermen, Harvey S., SR, IE, 217 Hawthorne, 706 Letters Ave., Brooklyn, NY
 Bermen, Stanley Bertram, SR, TX, 130 Hawthorne, Te2-7225, 269 Fountain Rd., Englewood, NJ
 Bernhardt, David Wayne, FR, ME, 2618 Wade Ave., Rt.#3, China Grove, NC
 Bernhardt, Alvert Frank Jr., JR, IE, 210 Watauga, Box 3928, Te2-0182, 1687 Club Rd., Charlotte, NC
 Bernholz, Michael Eric, JR, ME, 204 Welch Box 8352, Te2-0119, Westover, Greensboro, NC
 *Bernstein, Daniel, SR, GEE, 31-F, Vetteville, Te4-0220, 509 S. Pineview Ave., Goldsboro, NC
 Berry, Bobby Mac, FR, EE, 229 Owen, Box 4484, Te2-9410, Rt.#5, Burlington, NC
 Berryman, Richard Lee, JR, GEE, 125 Hawthorne, Te2-1183, 1908 East 5th, Greenville, NC
 Berthen, Carl Gunnar, JR, NE, 7 Syme, Box 3603, Te2-4421, 50-17 206 St., Bayside, NY
 Best, William Kenneth, SR, AGE, 302 Watauga, Box 3098, Te2-132, Rt.#1, Box 200, Mt. Olive, NC
 Bethune, Richard Fulton, FR, CE, 3115 Eton Rd., Te3-2391, 3115 Eton Rd., Raleigh, NC
 Beumer, Cecil C., SR, IE, 315 Forest Rd., Te2-3788, 8 Lake Dr., Enka, NC
 Bickel, Richard Joseph, JR, PPT, State College Sta., Box 5042, Te2-5381, 697 S. 25th St., Faston, Pa.
 Bickett, Edgar Porter, SO, ME, 160 Owen, Box 4451, Rt.#7, Box 786, Charlotte, NC
 *Biddy, Fred Douglas, JR, ME, Rt.#1, Box 469, Morrisville, NC, Te2-4312, 2651 Rozzells Ferry Rd., Charlotte, NC
 Biedler, Lester Kite, Jr., SO, TX, 122 Alex., Box 4117, Te2-9257, P.O. Box 69, Columbus, NC
 Biggers, James Hoyle, SR, ME, 135 Turl., Box 4230, Te4-9279, Indian Trail, NC
 *Biggerstaff, Ralph Edwin, SR, AED, 22-E Vetteville, Te4-0500, Rt.#2, Bostic, NC
 Biggerstaff, William Thomas, FR, EE, #09 Becton, Box 3777, Te2-9372, Rt.#2, Shelby, NC
 *Bigman, Isaac Leroy Jr., FR, IA, 1321 Brooks Ave., Te2-0059, 1321 Brooks Ave., Raleigh, NC
 *Billings Franic Anderson, Te2-7594, 221 Wayne Dr., Raleigh, NC
 Billingsley, Roy M., FR, ME, 316 Turl., Box 4278, Te2-9297, Rt.#1, Box 516, Hamlet, NC
 Bingham, Carroll Reid, SO, NE, 127 W. Park Dr., Te3-6671, P.O. Box 172, Fallston, NC
 Bingman, Claude Douglas, SO, LA, 20 Syme, Box #616, Te2-9242, P. O. Box 381, Mt. Airy, N. C.
 Birch, John N., 2710 Coolemeed Dr., Raleigh, NC, Te2-8295
 Birken, Samuel H., GR, NE, 1808 Park Dr., Te2-7125, 103 Virginia Ave., Oceanside, NY
 *Bishir, John Wm., GR, EST, 3021 Farrior Rd., Te4-1706, 3021 Farrior Rd., Raleigh, NC
 Bishop, Reginald Hodges Jr., SO, AG, 932 W. Johnson St., Te2-2788, 513 Riverside, Belhaven, NC
 Bissett, Lawrence Lynn, SR, CEC, 2426 Hillsboro, 423 Westover, Wilson, NC
 Bissette, William Arthur, SO, ME, 18 Stadium, Box 4363, Te4-9303, 405 N. James, Goldsboro, NC
 Bissette, William Elton Jr., JR, NE, 302 Tucker, Box 4735, Te4-9739, 1103 Herring Ave., Wilson, NC
 Bissinger, Richard Turner, Jr., FR, FOR, 329 Alex., Box 4192, Te2-9549, Rt.#2, Box 59, Wilmington, NC
 Bitting, John Henry, Jr., SO, EE, 200 Owen, Box 4511, Te2-9410, 908 Sedgewick Rd., Charlotte, NC
 Bittinger, Charles Lewis Jr., SO, EE, 203 Becton, Box 3737, Te2-9394, Pinewood Cr., Mooresville, NC
 Bivins, Luther Edgar, SO, ME, 203 Bagwell, Box 3300, Te4-9151, 5117 Henderson Rd., Washington 22, DC
 Bizzell, William Lee Jr., SR, CE, 14 Stadium, Box 4359, Te4-9303, 365 S. Oleander Ave., Goldsboro, NC
 Bizzell, William Pitt, SO, CEC, 216 Turl., Box 4244, Te 2-9297, 108 Magnolia Ave., Fayetteville, NC
 Black, Jerry Nelson, FR, IA, 112 Becton, Box 3712, Te2-9256, Rt.#1, West End, NC
 Black, Mary Elizabeth, FR, MA, 224 Chamberlain, Te3-6550, 407-B Chestnut St., High Point, NC
 *Blackburn, James Donald, SR, CE, 913¹/₂ New Bern, Rt.#6, Box 529, Mt. Airy, NC
 Blackmon, Thomas Lester, SO, Soils, 111 Bagwell, Box 3311, Te2-9412, Rt.#2, Four Oaks, NC
 Blackmon, John Henry, GR, AGE, Lillington, NC, 4396
 Blackwell, Harley Earnhardt, JR, HRT, 163 Tucker, Box 4670, Te2-9388, Rt.#2, Hendersonville, NC
 *Blackwood, Ralph Lee, 2711 Averts Ferry Rd., Rt.#3, Chapel Hill, NC
 *Blackwood, Robert Hampton, SO, ME, 1508 Frank St., College View, Rt.#3, Chapel Hill, NC
 Blake, David Eugene, JR, CE, 137 Tucker, Box 4647, Te2-9888, Rt.#1, Box 379, Wilmington, NC
 Blake, David Eugene, JR, CE, 116 Tucker, Box 4627, Te2-9888, Rt.#1, Box 379, Wilmington, NC
 Blake, Henry Clay Jr., FR, AG, 328 Owen, Box 4543, Te4-9300, Rt.#1, Box 230-B, Leiland, NC
 Blake, James Gordon III, FR, MEA, 315 Bagwell, Box 3281, Te2-9151, Rt.#1, Wallace, NC
 Blake, Roy Baxter Jr., SO, EE, 126 Bagwell, Box 3286, Te2-9412, 1167 Boone Ave., Winston-Salem, NC
 Blakey, Lewis Horrigan, 112 Tarleton, Burlington, NC
 Blalock, William Alvin, SR, FOM, 125 Hawthorne, Horse Shoe, NC
 Blalock, Willard Eugene, FR, AG, 15 Becton, Box 3817, Te7-9261, Rt.#2, Halifax, NC
 Blanchard, Lois Jean, 2111 Fairview Rd., Raleigh, NC
 Blanchard, Robert Brooks, FR, CHE, 217 Bagwell, Box 3349, Te2-9131, Wallace, NC
 *Blanch, Karl "Heinz", UN, E, 205 Alumni Bld, Box 576, Te2-9222, 1267 Hardover St., High Point, NC
 Bland, David Horton, FR, EE, 248 Tucker, Box 4715, Te2-9387, Rt.#3, Box 458C-1, Charlotte, NC
 *Blankenship, Robert Leroy, SO, IA, 993 Wilmington Ter., Halifax Apts., Cherokee, NC
 Blankenship, Robert Vann, FR, MEA, 47 Owen, Box 4581, Te2-9142, 534 Templeton, Charlotte, NC
 Blankford, George Gordon, SO, CHE, 2722 Anderson Dr., Te4-6740, 2722 Anderson Dr., Raleigh, NC
 *Blanton, Leonard Franklin, GR, DM, 19 Bagwell Ave., Te2-7552, 19 Bagwell Ave., Raleigh, NC
 Bledsoe, Leard Bernard, Jr., JR, CHE, 1224 Courtland Dr., Te2-1823, 1224 Court-Land Dr., Raleigh, NC
 Blevins, Joe Leonidas, SO, CE, 315 Syme, Box 3580, Te2-9222, Crumpler, NC
 Blevins, John Oliver, JR, TX, 2315 Hillsboro, Te7-7143, 904 Parrott Ave., Kinston, NC
 *Blizard, Warren Emery, GR, ME, 222 Broughton Bldg., Box 45211, State College Ext. 447, 18 Enterprise, Raleigh, NC
 *Blizzard, Donald Davis, FR, FOR, 1508 Frank St., 1508 Frank St., Raleigh, NC
 *Blosser, Dale Alan, 409 Gardner St., Raleigh, NC
 Boatwright, Grimes Albert, FR, CE, 317 Alex., Box 4180 1215 Yale Pl., Vharlott, NC

Bodie, James Fredrick, FR, MEA, 129 Syme, Box 3529, Te2-9288, 405 Spring St., Thomasville, NC
 Bodziak, James Davis, FR, IA, 326 Tucker, Box 4757, Te2-9323, 215 2nd St., Neville Island, Pgh. 25, Pa.
 Boese, Ronald Richard, FR, CHE, 250 Tucker, Box 4717, Te2-9387, 2712 Woodvale Dr., Winston-Salem, NC
 Boles, Billy Joe, SO, AED, 308 Tucker, Box 4741, Te4-9739, Rt.#1, King, NC
 Boles, Herman Eugene, FR, EE, 169 Owen, Box 4415, Te2-9115, 4635 N. Cherry, Winston-Salem, NC
 *Boles, Max G. D., GR, AED, 1122 Parker St., Hamptonville, NC
 Boles, Robert Wayne, SR, AED, 314 Watauga, Box 3050, Te2-9119, Rt.#2, Walnut Cove, NC
 Bollinger, Howard Eli, JR, AGE, 2100 Hillsboro, Te4-6094, Rt.#2, Granit Falls, NC
 Bond, Edgar Ray, JR, IE, 203 Welch, Box 3251, Te2-9119, Rt.#9, Box 533-B, Greensboro, NC
 Bond, Gordon Randal, SO, NE, 215 Tucker, Box 4686, Te2-9387, 1814 Walton Ave., Bluefield, W. Va.
 *Bond, Grace B., Buies Creek, NC
 Bond, Linwood Darden, SO, CE, 2612 Clark Ave., Te2-9484, Edenton, NC
 Bond, William Keith, FR, IA, 204 Alex., Box 4136, Te2-9746, Box 281, Selma, NC
 Bonduant, William Edward, FR, EE, 229 Syme, Box 3561, Te2-9150, Rt.#6, Mt. Airy, NC
 Bone, Roger Wayne, FR, AG, 112 Alex., Box 4109, Te2-9257, Rt.#3, Nashville, NC
 Bonner, Leon De Castro, JR, FOM, 316 Alex., Box 4179, Te2-9349, Rt.#1, Aurora, NC
 Bonner, Malcolm Ray Jr., JR, MEA, 127 W. Park Dr., Te3-6671, P.O. Box 11, Comfort, NC
 Booker, John McArtan, FR, PV, 310 Becton, Box 3778, Te2-9372, 315 Park Ave., Clinton, NC
 Booker, William Clayton Jr., SO, ME, 215 Syme, Box 3547, Te2-9150, P.O. Box 1342, Reidsville, NC
 *Booker, William Morray, SR, HRT, 1208 Duplin Rd., Te9833, 1208 Duplin Rd., Raleigh, NC
 Boone, Carl Harrison, SO, AG, Owen, Box 4578, Te2-9142, Rt.#2, Elm City, NC
 Roone, Dan Hathaway, SO, EE, 19 Becton, Box 3820, 848 Nash St., Rocky Mount, NC
 Roone, William Jordan Jr., JR, TC, 204 Watauga, Box 3022, Te2-9447, Rt.#1, Gates, NC
 Booth, Judson Vaughan, SR, IE, 2601 Clark, Te2-8631, 410 Mason Dr., Durham, NC
 *Bordeaux, Joseph Thomas, SR, CE, 6-B Verville, Te4-3884, 6-B Verville, Raleigh, NC
 Bordeaux, Larry Dawson, FR, CE, 205 Syme, Box 3537, Te2-9150, P.O. Box 77, Ingold, NC
 Boren, Ben Clark Jr., JR, EE, 105 Gold, Box 3205, Te2-9362, Siler City, NC
 Borg, John Carl, JR, IE, 263 Owen, Box 4514, Te9252, 2411 Rosewood Ave., Winston-Salem, NC
 Bortko, Walter Daniel, SO, IRR, 214 Alex., Box 4143, Te2-9746, 2506 N. Richmond, Chicago, Ill.
 Boseman, Dewey Williams, SR, CEC, 1620 Hillsboro, Box 5042, Te2-9531, 203 Goldsboro St., Wilson, NC
 Bost, Donald Stephen, SR, NE, 1718 Hillsboro, 208 Fink St., Concord, NC
 *Bost, James Franklin, JR, EE, Box 415, Raleigh, NC, Te4-7733, Rt.#1, Box 255, Belmont, NC
 *Bost, Ronald Marshall, SO, FOM, 156 Owen, Box 4447, Te2-9437, Rt.#4, Box 418, Kannapolis, NC
 Bost, Thomas Johnson, SR, ME, 108 Welch, Box 3244, Te2-9119, 113 E. 2nd St., Newton, NC
 Bostian, Karl Eugene, 1903 Hillsboro, Raleigh, NC, Te2-3600
 Bostain, Max Elmo, FR, NE, Tucker, Box 2672, Te2-9387, Rt.#3, China Grove, NC
 Bostick, Graham Wilson, SR, FMM, 408 S. Boylan Ave., Te3-4485, 408 S. Boylan Ave., Raleigh, NC
 Boswell, Ralph Randle, JR, IE, 3414 Hillsboro, Te3-4808, Rt.#4, Box 570, Fairfax, Va.
 Bourne, David Collins, JR, FOR, 1710 Hillsboro, Te4-2001, P.O. Box 399, Georgetown, SC
 Bowen, James Lawrence, SO, CE, 120 Becton, Box 3720, Te2-9756, Woodside Dr., Shelby, NC
 Bowen, Lonnie Norwood, FR, ME, 205 Becton, Te2-9261, Rt.#1, Lumberton, NC
 Bowen, Robert Calvin, FR, TX, 153 Owen, Box 4444, Te2-9115, 1824 Park Dr., Charlotte, NC
 Bowen, Robert Calvin, FR, TX, 157 Tucker, Box 4664, 1824 Park Dr., Charlotte, NC
 *Bowen, Willie Charles, JR, TX, 105 Gold, Box 3205, Te2-9263, Rt.#7, Box 369, Statesville, NC
 Bowen, Edwin David, UN, TX, 102 Turl., Box 4201, Te4-9279, Crest House, The Ave, Cottingley, Bingley, Yorkshire, England
 Bowers, Benny Eugene, FR, ME, 334 Bagwell, Box 3400, Te4-9151, Rt.#1, Thomasville, NC
 *Bowers, Mitchell Lee, JR, ME, 2709 Oberlin Rd., 1020 Mendenhall St., Thomasville, NC
 Bowers, Cole, FR, ED, 125 Tucker, Box 4636, Te9367, 1620 Ridgeway Rd., Havertown, Pa.
 *Bowie, Bobby Webb, SR, IE, 1925 Bernard St., Te3-1530, Main St., Galax, Va.
 Bowles, Zane Grey, SO, AG, 237 Owen, Box 4491, Te2-9252, Rt.#1, Hiddenite, NC
 Bowling, Arthur Jack, FR, MEA, 213 Becton, Box 3747, Rt.#2, Wake Forest, NC
 *Bowling, Edward Lee, SO, EE, 801-B Daniels St., Te2-5570, Rt.#1, Broadway, NC
 Bowling, Richard Hauber, FR, EE, Watauga, Box 3030, Te2-9132 004 Stephens, Greensboro, NC
 Bowman, David Lee, FR, TX, 327 Becton, Box 3795, Te2-9372, P.O. Box 268, Stuart, Va.
 *Bowman, James Edward, SO, ME, 2628 Bedford Ave., Te2-6093, 2628 Bedford, Raleigh, NC
 *Bowman, John Alfred, SO, EE, 970 Wilm. Terr., Halifax Ct., Raleigh, NC
 Te2-5727
 Bowman, Patricia Lynn, FR, CHE, Mendenhall Trailer, Ct., Rt.#4, Box 945, Morganton, NC
 Bowyer, Charles Clinton, FR, TX, 211 Becton, Box 3745, Te2-9334, 516 S. Ellis, Salisbury, NC
 Boyer, Allen Norman, FR, MEA, 228 Owen, Box 4483, Te2-9410, 1017 Martindale Dr., Fayetteville, NC
 *Boyd, Chester Richard Jr., JR, IA, 2224 Bernard St., Te2-3892, 556 New Bern Ave., Raleigh, NC
 Boyd, Claud Melvin, SO, CHE, 130 Alex., Box 4125, Te2-9257, Rt.#1, Box 76, Grimesland, NC
 *Boyd, David Lindsay, SO, EE, 923 Tower St., 420 E. Center, Mooresville, NC
 Boyd, Daniel Margus, SO, EE, Owen Box 4449, Te2-9155, Laurel, Lincolnton, NC
 Boyd, Edgar Laura, SO, AG, 149 Owen, Box 4440, Te2-9115, Rt.#1, Box 284, Pinetown, NC
 *Boyd, Julius Jerome, SR, AGE, 100 Horne St., Te4-5744, Rt.#2, Waynesville, NC
 Boyd, Richard Melvin, SO, TX, 10 Enterprise St., Te3-6511, Rt.#2, Elkin, NC
 Boyden, Richmond Pearson, SR, MEA, 211 Berry, Box 4318, Te2-9363, 251 Fairway Dr., Asheville, NC
 Boyette, Charles Woodward, SR, AGC, 137 Owen, Box 4431, Te2-9115, P.O. Box 864, Clinton, NC
 Boyette, Leslie Darrell, SO, TX, 202 Tucker, Box 4675, Te2-9132, 15 Front St., Rockingham, NC
 Boyland, James Leo, FR, NE, 251 Owen, Box 4502, Te2-9252, 204 Guthrie Ave., Alexandria, Va.
 Boyles, Majorie Ann, SR, MA, 319 Faircloth, Meredith College, Box 18, 613 Gatewood, High Point, NC
 Boys, George Waring Jr., SO, TX, 2611 Clark, Te4-3387, Tuxedo, NC
 Bracey, Carstairs Hendrick, FR, IE, 201 Welch, Box 3249, Te2-9119, 120 Beuna Vista Circle, South Hill, Va.
 Bracey, Lucius Hazletine, FR, E, 201 Welch, Box 3249, Te2-9119, 202 Franklin St., South Hill, Va.
 Bradbury, Malphus LeRoy Jr., SR, IE, 1104 Cowper Dr., Te2-5604, 611 Crowell St., Wilson, NC
 *Bradley, Nelson A., JR, EE, 961 Peace Terr., Halifax Ct., 321 W. Peachtree, Lakeland, Fla.
 Bradley, William Benson, FR, EE, 53 Owen, Box 4587, Te2-9143, Rt.#1, Black Mountain, NC
 *Bradley, William Francis, SR, NE, 29-A Verville, Te3-6865, 104 Willow St., East Aurora, NY

Bradshaw, Cecil Clark, FR, AG, 119 Bagwell, Box 3319, Te4-9219, Rt.#3, Clinton, NC
 Bradshaw, Derris Ray, JR, IRR, 164 Turner, Box 4611, Te2-9388, 402 N. 23rd St., Wilmington, NC
 Bradshaw, Edward Neil, FR, CE, 320 Avon Dr., Raleigh, NC, Te4-5439
 *Bradshaw, Morris Harold, GR, NE, 232 E. Park Dr., Te4-0560, P.O. Box 64, Petersburg, Tex.
 Brady, Burl Henderlite, FR, MR, 1115 Hillsboro, Te2-6250, 11 North Rd., Salisbury, NC
 *Brady, Jack Alfred, SO, ME, P.O. Box 638, Cary, NC, Ho7-3964
 Brady, Larry Escot, SO, MEA, 218 Syme, Box 3550, Te2-9150, 230 N. Oak St., Statesville, NC
 *Brady, Paul Caroway, SR, MEA, 942 Peace Terr., Pamlico, NC
 Brady, Thomas Graydon Jr., FR, IE, 710 W. Aycock St., Te2-2291, 710 W. Aycock, Raleigh, NC
 Bragassa, Reamey Dyer, FR, ME, Rt.#1, Cary, NC, Ho7-9561
 *Brake, John Ronald, 2608 Kilgore, 519 N. Camburn, Stanton, Michigan
 Brake, Robert Felix, SO, FOR, 110 Becton, Box 3710, Te2-9256, Rt.#2, Littleton, NC
 Brame, James Arthur, SO, ME, 113 Turf, Box 4210, Te4-9279, 3109 W. Market, Greensboro, NC
 Bramlett, David Lee, SO, FOM, 364 Owen, Box 4575, Te4-9300, 17 Katherine Pl., Asheville, NC
 *Branan, N. Carson, GR, AGC, Te2-5713, 1314 Banbury Rd., Raleigh, NC
 Branch, Robert Bailey, FR, EE, 152 Owen, Box 4443, Te2-9115, P.O. Box 93, Rich Square, NC
 *Brannan, Willie Lester, SR, EE, 907 1/2 W. Lenoir St., Te2-0219, 403 W. Board St., Dunn, NC
 *Brannon, Henry Kimbrough Jr., 2144 Hayview Rd., Raleigh, NC
 Brannock, William Eugene, FR, NE, 118 Owen, Box 4413, Te2-9437, Rt.#1, Reidsville, NC
 *Braswell, Edward Earl, SO, MEA, 24-D Verville, Te2-5774, 210 S. Grace St., Rocky Mt., NC
 Braswell, James William, JR, ME, 120 Tucker, Box 4631, Te2-9388, Rt.#2, Smithfield, NC
 Braswell, Ransom Delon Jr., JR, CRE, 206 Becton, Box 3740, Te2-9334, P.O. Box 976, Salisbury, NC
 Brattain, Daniel Webster Jr., JR, HAC, 207 Syme, Box 3539, Te2-9150, Rt.#1, Oakboro, NC
 *Bratten, Douglas Philip, JR, EPY, 304 Bagwell, Box 3370, Te4-9151, 3500 W. 1st St., Winston-Salem, NC
 Brautigam, Richard Henry, FR, EE, 927 W. Johnson St., Te2-0817, 210 Gordon Dr. N. W., Winston-Salem, NC
 Brawley, Joel Vincent Jr., SO, EMA, 218 Owen, Box 4473, Te2-9252, Sycamore St., Mooresville, NC
 Bray, William Randall, SO, ARC, 1618 Hillsboro, 410 S. John, Goldsboro, NC
 Breedlove, Joseph Gilbert, FR, ME, 10 Becton, Box 3812, Te2951, Highway 19, Bryson City, NC
 Breeman, Leonard Glaser, SO, FOM, 156 Owen, Box 4447, Te2-9437, Kona, NC
 *Brendle, Denver Arzz, SO, EE, 108 Gold, Box 3208, Te2-9263, Rt.#6, Morganton, NC
 *Brendle, John Hanry, Jr., GR, OIG, Te2-7581, Ext. 375, Box 7575 Sta., Raleigh, NC
 *Brendle, Opal G., GR, RS, Sta. B., Box 7575, Raleigh, NC, Te2-7581, Ext. 375
 Frewer, Johnny Mac, FR, LA, 234 Becton, Box 3768, Te2-9334, 2400 Lyndhurst, Winston-Salem, NC
 Brewer, Stephen David, SO, WT, 119 Syme, Box 3519, Te2-9288, P. O. Box 162, Pittsboro, NC
 Brickhouse, Norman Wesley, SR, AH, 2100 Hillsboro, Raleigh, NC, Te4-6094
 *Brickhouse, William Howard, FR, NE, 642 Shelly Rd., Raleigh, NC, Te4-6361
 Bridger, Robert Craven, FR, TX, 213 Syme, Box 3545, Te2-9150, P.O. Box 525, Bladenboro, NC
 Bridgers, James Eugene Jr., SO, EE, 118 Bagwell, Box 3318, Te2-9421, 1525 Carr St., Raleigh, NC
 Bridgers, Ronald Keith, SO, NE, 325 Alex., Box 4188, Te2-9349, 1741 W. Nash, Wilson, NC
 Bridges, Charles Abernathy Jr., FR, AG, 127 Alex., Box 4122, Te2-9257, Rt.#5, Shelby, NC
 Bridges, Donald Norris, SR, CEC, Turf, Box 4250, Te2-9297, 1102 W. Elm St., Shelby, NC
 *Bridges, Robert Owen, FR, EE, 504 W. Aycock St., Te4-0458, Rt.#2, Forest City, NC
 *Bridges, Wayne Crowell, SR, CE, 8-A Verville, Va8-2271, P.O. Box 541, Rutherfordton, NC
 *Bridgman, Charles James, GR, NE, 3923 Cobb St., Raleigh, NC, Te3-4157
 *Briggs, Raymond Emery, SO, EE, 1881 W. Smallwood Dr., Raleigh, NC, Te4-0893
 *Bright, J. C., SR, AED, 318 Watauga, Box 3044, Te2-9132, Rt.#1, Box 97, Chocowinity, NC
 Briley, Robert Francis, SR, AGC, 158 Tucker, Box 4665, Rt.#1, Polkton, NC
 Brinkley, Charles William, SO, FOM, 231 Tucker, Box 4702, Te2-9387, Rt.#4, Box 376, Salisbury, NC
 Brinkley, Robert McCall, GR, EST, Box 5563, State College Sta., Rt.#3, Marion, NC
 Brinkley, Shemll Kermit, SR, AG, 2100 Hillsboro, Te4-6094, Rt.#5, Mocksville, NC
 Brintle, Robert Lee, FR, ARC, 114 Alex., Box 4111, Durham, NC
 Brintnall, William Earle, FR, CHE, 6 Becton, Box 3808, Te2-9261, P.O. Box DD, Bryson City, NC
 Briscoe, John Roger, JR, TX, 222 Hillcrest Rd., Te2-3429, 117 Morris Ave., Mountain Lakes, NJ
 *Brisson, Robert Curtis, JR, AGE, 851 1/2 Tryon, Raleigh, NC
 *Britt, Billy Bernard, Va8-2720, 1212 Morris St., Raleigh, NC
 Britt, Clarence Willard, JR, IRR, 102 Bagwell, Box 3302, Te4-9219, Box 114, Ca. Vel, NC
 *Britt, John Quiney, Jr., SR, DM, Rt.#6, Raleigh, NC, Te2-9572
 *Britt, McLeolm Vernon, JR, EE, 323 E. Lane St., Te2-6846, Rt.#1, Garner, NC
 Britt, Sydney Pierce, JR, AGC, 117 Becton, Box 3717, Te2-9256, 415 E. 3rd St., Ayden, NC
 Brittain, George Edward, FR, CE, 122 Bagwell, Box 3322, Te2-9412, 812 Hampton, Shelby, NC
 Brittain, Howard Marshall, JR, CHE, 102 Berry, Box 4302, Te2-9350, 114 Ridgeway Rd., Wilmington, NC
 Brittain, Wayne Michael, FR, NE, 208 Tucker, Box 4651, Te2-9387, 312 Walton Dr., Morganton, NC
 Britton, Gene A., JR, EPA, Welch, Box 3238, Te2-9119, Jackson, NC
 Britton, Walter Martin, FR, EE, 331 Bagwell, Box 3397, Te4-9151, Lasker, NC
 Brock, Edward Ray, SO, EE, 301 Turf, Box 4266, Te2-9192, Rt.#3, Forest City, NC
 Brock, Kirby Damon, JR, AED, 308 Berry, Box 4328, Rt.#1, Wade, NC
 Brock, Larry Michail, FR, CE, 2408 Milburne Rd., Raleigh, NC
 Brock, Lonnie Stubbs Jr., SR, TX, 58 Owen, Box 4592, Te2-9142, 110 N. Highland St., Raeford, NC
 *Brock, Walter Donald, JR, IE, 964 Wilmington Terr., Te4-6756, 401 W. 12th St., Salisbury, NC
 *Brockmann, Otto Raven Jr., FR, TX, 8 St. Mary's St., Raleigh, NC, Apt. 12
 Brodsky, Boris, FR, TX, 216 Hillcrest Rd., Fco. Grotra, Lima, Peru
 *Brooke, John Edgar, GR, NE, 1017 Nichols Dr., Raleigh, NC, Te3-3789
 *Brooks, Cecil Charlie, SR, AED, Apt. 4, 202 Groveland Ave., Va8-2243, P.O. Box 274, Sparta, NC
 Brooks, Delbert Ray, SO, ME, 216 Turf, Box 4244, Te2-9297, 163 Kensington Cir., Fayetteville, NC
 Brooks, Francis Arthur, FR, CON, 207 Alex., Box 4138, Te4-9746, 312 Irving Pl., Greensboro, NC
 *Brooks, Joseph F., JR, HRT, 519 N. Bloodworth, Rt.#8, Box 1115, Concord, NC
 *Brooks, Robert Charles, GR, AGC, 216 Willow St., Cary, NC, Ho7-9455
 *Brooks, Sylvia Borders, JR, MA, 119 Brooks Ave., Te3-6428, Patterson Springs, NC
 Brooks, Tommy George, FR, ME, 315 Bagwell, Box 3381, Te9-151, Box 484, Wallace, NC
 Brooks, Wayne, Mayrice, FR, ENT, 201 Richardson Dr., Raleigh, NC, Te2-7581

*Broome, Claude Matthews, JR, EE, 835-D Daniels St., Te4-5532, 835-D Daniels St., Raleigh, NC
 *Broome, George Glenn, SR, AI, 2710 Kilgore, Te4-8025, Aurora, NC
 *Broome, Harold Dean, SO, EE, Wicker's Trailer Park, Rt.#4, Te2-4586, Wicker's Trailer Park, Rt.#4, Raleigh, NC
 Brotherton, Robert Kaylor, FR, EE, 209 Alex., Box 4139, Te4-9746, Sherrill's Ford, NC
 Brown, Billy Lee, SO, AG, 114 Tucker, Box 4625, Te2-9367, Rt.#1, Mt. Airy, NC
 Brown, Billy Ray, SO, EE, 314 Owen, Box 4529, Te4-9836, Rt.#1, Lenoir, NC
 *Brown, Bobby James, JR, IE, 132 Woodburn Rd., Te3-0083, 229 E. Catawba Ave., Mooresville, NC
 *Brown, Catherine Brown, Un, GS, 815-B Daniels St., Te4-7246, 317 Eastover Rd., Charlotte, NC
 *Brown, Cecil Fred, Un, AG, 219 Jones Franklin Rd., Te4-8859, 219 Jones Franklin Rd., Raleigh, NC
 Brown, Charles Alexander, FR, CE, 127 Syme, Box 3527, Te2-9288, Maple St., Cleveland, NC
 Brown, Charles Calvin Jr., FR, FOR, 235 Tucker, Box 4705, Te2-9387, 5204 Devonshire Rd., Richmond, Va.
 *Brown, Charles Richard, SO, EE, 7 E. Lane St., Pope Rd., Winston Salem, NC
 Brown, Dallas James, SR, CEC, 217 Tucker, Box 4688, Te2-9387, Lane St., Kannapolis, NC
 Brown, David Lee, FR, DN, 338 Owen, Box 4552, Te4-9836, 2561 Seminole, Detroit, Michigan
 Brown, David Shelton, SR, CE, 127 Syme, Box 3527, Te2-9288, Box 56, Davidson, NC
 Brown, Eugene Wilson, SO, ARC, 303 Fourth, Box 3129, Te2-9159, 308 Cornwallis Rd., Durham, NC
 Brown, George Washington, JR, ME, 130 Cox Ave., Apt. D, Te4-3043, 130 Cox Ave., Raleigh, NC
 Brown, Grady Ward, FR, FOR, Box 14, Cary, NC, Ho7-3241, 215 Dry Ave., Cary, NC
 Brown, Henry Alfred, FR, EE, 321 Alexander, Box 4184, Te2-9349, Center St., Apex, NC
 Brown, Homer Scott, JR, ME, 105 Owen, Box 4403, Te2-9437, Rt. 2, Selma, NC
 Brown, James Allen, SR, AED, 2100 Hillsboro, Te4-6094, Rt.#3, LaGrange, NC
 Brown, James Lyndon, SO, ME, 333 Turl., Box 4294, Te2-9192, 2727 Stockton St., Winston-Salem, NC
 *Brown, James Melton, GR, SOI, 388 Williams, Te4-5211, Ext. 363, 3015 Leonard St., Raleigh, NC
 *Brown, James Newton, Jr., JR, EE, 214½ N. Harrington St., Madison, NC
 Brown, James Richard, GR, EC, 205 Alumni, RR5, Paris, Illinois
 *Brown, James Thelbert, JR, WCM, 2745 Newbold St., Smithfield, NC
 *Brown, James W., Jr., GR, DM, 2215 Avent Ferry Rd., Hampshire, Tenn.
 Brown, John Amzey, JR, WT, 3205 Hillsboro, Te2-1284, Rt. 1, Spruce Pine, NC
 Brown, John Goodwin, Jr., FR, CH, 604 Oak Rd., Te3-5413, 604 Oak Rd., Raleigh, NC
 *Brown, John Taylor, JR, ZO, 303 Park Ave., Te2-1525, Box 567, Swannanoa, NC
 Brown, John Wesley, JR, ME, 130 Cox Ave. Apt. D, Te4-3043, 130 Cox Ave., Raleigh, NC
 *Brown, Joseph Matt, JR, ME, 2415 Everette Ave., Winston-Salem, NC
 *Brown, Kenneth Eugene, SR, MEA, 104½ E. North St., Te2-8577, 909 Christopher, New Bern, NC
 Brown, Kenneth Warren, SO, ME, 322 Owen, Box 4537, Te4-9300, 707 Magnolia St., Greensboro, NC
 Brown, Randall Lanier, FR, TX, 116 Becton, Box 3716, Te2-9256, 3821 High Point Rd., Greensboro, NC
 Brown, Rector Wayne, FR, EE, 322 Alexander, Box 4185, Te2-9349, 2551 Buena Vista, Winston-Salem, NC
 Brown, Roderick Burton, JR, ME, 302 Owen, Box 4519, Te4-9300, Ashford, NC
 Brown, Ronald Alan, SR, FOM, 2100 Hillsboro, Te4-6094, 305 N. Holden, Goldsboro, NC
 Brown, Stephen Hunt, SO, NE, 124 Park Dr., 311 S. Sloumb, Goldsboro, NC
 Brown, Roderick Burton, JR, ME, 302 Owen, Box 4519, Te4-9300, Ashford, NC
 Brown, Ronald Alan, SR, FOM, 2100 Hillsboro, Te4-6094, 305 N. Holden, Goldsboro, NC
 Brown, Stephen Hunt, SO, NE, 124 Park Dr., 311 S. Sloumb, Goldsboro, NC
 Brown, Talmage Thurman, Jr., FR, AGP, 1709 Bickett Blvd., Te2-9731, 1709 Bickett Blvd., Raleigh, NC
 *Brown, William Edward, SR, IE, 2726 Cambridge Rd., Va8-2101, 404 N. 21st St., Wilmington, NC
 Brown, William Jasper, SR, AED, Rt. 2, Raleigh, Te4-3532, Rt. 2, Raleigh, NC
 Brown, William Robert, FR, CE, 102 Watauga, Te2-9132, Box 3002, Box 6, Bat Cave, NC
 Brown, Wilson Henry, FR, ME, 117 Tucker, Box 4628, Te2-9388, 2237 Elizabeth, Winston-Salem, NC
 Browning, David Benjamin Jr., SR, IA, 104 Watauga, Box 3004, Te2-9447, 204 N. Granville St., Edenton, NC
 *Browning, Harry Paul, 2113 Glenwood Ave., Raleigh, NC
 Browning, James Stephen, FR, ME, 225 Syme, Box 3557, Te2-9150, 815 N. Main, Salisbury, NC
 Browning, Jesse David, SO, EE, 224 Syme, Box 3556, Te2-9150, Rt. 1, Box 438, Wilmington, NC
 Broyhill, George David Jr., SO, EE, 128 Alex., Box 4123, Te2-9257, Rt. 3, Mooresville, NC
 Bruch, Duane Harps, SO, CE, 333 Bagwell, Box 3399, Te4-9151, 606 Wilson Ave., Wendell, NC
 Bruch, David Lewis, GR, GN, 3106 Leonard St., Te4-6103, 5612 Sytan Ave., Riverdale, NY
 Brumley, John Markum, FR, NE, 311 Bagwell, Box 3377, Te4-9151, 217 College Ave., Newton, NC
 Brummitt, Samuel Wilbur, SO, TX, 124 Tucker, Box 4635, Te2-9388, Rt. 4, Henderson, NC
 Bruton, George A., JR, MTE, Apt. O Glenwood Gardens, 233 Kenwood, Wilmington, NC
 Bryan, George Howard, FR, MEA, 124 Syme, Box 3524, Te2-9288, 2645 Sunset Dr., Winston-Salem, NC
 Bryan, Roland Jennings, Jr., GR, ABC, 411 Frank St., Te3-2078, 419 Frank St., Raleigh, NC
 *Bryan, William Eddie Jr., JR, AT, 215 Park Ave., Rt. 2, Bladenboro, NC
 Bryant, Charles Hugh, JR, CE, 105 Alex., Box 4105, Te4-8147, Rt. 1, Yadkinville, NC
 Bryant, Dudley Edwards III, FR, CHE, 2612 Clark Ave., P.O. Box 388, Danville, Ky.
 Bryant, Eugene Mack, FR, ME, 222 Syme, Box 3554, Te2-9150, 1408 Oakland, Hendersonville, NC
 Bryant, Horace Bloomfield Jr., SR, CHE, 1620 Hillsboro, Box 5042, Te2-9531, 1408 Oakland St., Hendersonville, NC
 Bryant, Joseph Dingsu, SR, AGC, Apt. D, Chamberlin St., Te2-4843, Wallace, NC
 Bryant, Sherrill Miller, SR, AGC, 2718 Clark, Te2-6451, Rt. 1, Boonville, NC
 Buachanda, Vitawas, UN, 109 Ricks Hall, Te4-5211
 *Buchanan, Elwin James Jr., JR, IE, 8 St. Mary's St., 209 S. 3rd St., Sanford, NC
 Buchanan, Robert Paul Jr., JR, CE, 103 Turl., Box 4202, Te4-9279, Box E, Yadkinville, NC
 Buchanan, Robert William, GR, IPS, 305 Gold, Box 3229, Te2-9263, Rt. 1, Clemmons, NC
 Buckhout, Robert, GR, IPS, 209 Gold, Box 3221, Te2-9263, 146-12-181 St., Springfield Gardens 13, NY
 Buckman, Thomas Barrett, SR, IRR, 1620 Hillsboro, Box 5042, Te2-9531, 219 Gesner St., Linden, NJ
 Buckner, Charles Windle, FR, EE, Tucker, Box 4738, Te4-9739, Box 291, Burnsville, NC
 Buckner, John Frank, SR, IRR, 3418 Churchill Rd., Te4-7462, Black Mt., NC
 *Buckner, John Gilbert, SR, EE, 1217 Kent Rd., Rt. 1, Box 259, Siler City, NC
 Buckner, Raymond Tyrus Jr., SR, CEC, Apt. D, 130 Cox Ave., Te4-3043, 101 Park Dr., Belmont, NC
 Buckner, Shelby Stuart, JR, AG, 305 Owen, Box 4522, Te4-9300, Rt. 2, Marshall, NC
 Bueck, Hieronymus Clell, SO, ME, 104 Syme, Box 3504, Te2-9288, 104 Dillard St., Murphy, NC

Bulgin, John Randolph, FR, ME, 360 Owen, Box 4571, Te4-9300, P.O. Box 375, Franklin, NC
 Bulla, William Darrell, SO, CHE, 305 Alex., Te2-9349, 1043 Wellington, High Point, NC
 Bullard, Amos Gentry, Jr., GR, NE, 124 W. Park St., Cary, NC, Box 95, Ho7-2602
 Bullard, Cecil Fisher, Jr., SO, AG, 112 Syme, Box 3512, Te2-9288, P.O. Box 343, Fayetteville, NC
 Bullard, Robert Paul, JR, FOK, 308 Welch, Box 3268, Te2-9119, P.O. Box 114, Evergreen, NC
 Bullin, Jerry Wayne, SO, FMM, 306 Tucker, Box 4739, 1403 Ragan St., High Point, NC
 Bullis, Gary Harvey, SO, ME, 228 Bagwell, Box 3360, Te2-9131, 1522 Hanover Rd., Burlington, NC
 *Bullock, Hortense Bryant, UN, GS, Te2-1561, 1700 Brooks Ave., Raleigh, NC
 *Bullock, John, JR, EE, 3071 Farrior Rd., Raleigh, NC, Va8-2491
 *Bullock, Larry James, SO, ME, 2320 Clark, 317 Main, Williamston, NC
 *Bullock, Orren Russell, SO, IA, 123 Ashe Ave., Raleigh, NC
 *Bunch, Roger Cullen, SO, FE, Box 638, Cary, NC, Rt. 1, Tyner, NC
 *Bundy, Bobby Franklin, SO, MEA, Te3-7911, Rt. 7, Box 458, Raleigh, NC
 Bunn, John Trent, JR, EE, 321 Turf, Box 4284, Te2-9192, Rt. 8, Box 570-A, Charlotte, NC
 Bunn, Mary Jameson, SR, HRT, 1217 Kent Rd., Te3-9371, 416 Falls Rd., Rocky Mount, NC
 Bunn, Shirley Anne, SR, SED, 2302 Hillsboro, Te2-2941, Rt. 4, Louisburg, NC
 Bunn, Willis Carlton, FR, CE, 345 Bagwell, Box 3381, Te9151, Box 107, Sims, NC
 Bunting, Billy Lou Jr., SO, CHE, 111 N. Boylan Ave., Te2-0023, 1029 Washington St., Roanoke Rapids, NC
 Bunting, Phillip Marshall, FR, NE, 310 Tucker, Box 4743, Te4-9739, 715 Elwell Ave., Greensboro, NC
 *Burchette, Donald Jack, JR, CHE, Syme, Box 3369, Te2-9222, Hamptonville, NC
 *Burgason, Carol Dale, SO, IE, Wickers Trailer Park, Rt. 4, Raleigh, NC
 Burgess, Charles Stewart, SR, CE, 120 Ashe Ave., Te2-5346, 19 Oak Dr., Havelock, NC
 *Burgess, Peter Dewey, GR, AMA, 2210 1/2 Hope St., Box 5062, Te3-4159, 2210 1/2 Hope St., Raleigh, NC
 Burgess, Richard Hunt, JR, NE, 127 W. Park Dr., Te3-6671, 55 New York Ave., Dumont, NJ
 Burke, Baxter Daniel, FR, ME, 222 Alex., Box 4151, Te4-9746, Rt. 2, Box 26-A, Siler City, NC
 Burkett, Barbara Nell, JR, NE, 1910 Park Dr., Te2-0746, Rt. 6, Box 812, Morganton, NC
 Burkhardt, Toby Leroy, FR, IRR, 223 Turf, Box 4251, Te2-9297, P.O. Box 154, Windfall, Indiana
 Burkhead, Charles, SR, LA, 124 St. Mary's St., 147 Randolph, Asheboro, NC
 Burleson, John Earnest, SO, EE, 138 Owen, Box 4432, Te2-9115, P.O. Box 13, Barnesville, NC
 Burn, John L., FR, DM, 308 Syme, Box 3572, Te2-9222, 516 W. Sumter St., Shelby, NC
 *Burnette, Donald Eugene, SO, ME, P.O. Box 638, Cary, NC, Ho7-3952
 *Burns, Howard Franklin, JR, IA-TO, 214 Watauga, Box 3032, Te2-9132, 960 Campbell, Lake Wales, Fla.
 Burns, James Moss, JR, ARC, 206 Watauga, Box 3024, 1015 Hawthorne Rd., Wilmington, N. C.
 Burris, Roy Pearson Jr., SO, EE, 302 Owen, Box 4519, 3226 Clemson Ave., Charlotte, NC
 *Burt, Philip Eugene, SO, MEA, 339 Owen, Box 4498, Te4-9300, Rt. 9, Box 37, Greensboro, NC
 Burton, Paul George, JR, CEC, 2904 O'Berry St., Castle Hayne, NC
 Burton, Sherrill Pearson, SO, IRR, 222 Hillcrest Rd., Te2-3429, 113 W. Edgewood Dr., Durham, NC
 Burts, Watson Lee, JR, EE, 1501 Benchan St., Te4-0271, Altamont Rd., Greenville, NC
 Burwell, Venable Badcock, FR, MEA, 256 Tucker, Box 4723, Te2-9387, Rt. 4, Oxford, NC
 Bush, Harold Gene, JR, ME, 217 Watauga, Box 3035, Te2-9132, Rt. 1, New London, NC
 Bush, William Horace III, SO, CHE, 16 N. Boyland, Te2-4073, 1726 Green Blvd, Charlotte, NC
 Bushofsky, Joseph Edward, FR, IRR, 149 Tucker, Box 4656, Te2-9367, 3567 Evergreen, Pittsburgh, Pa.
 Busic, Robert Franklin, FR, ME, 58 Tucker, Box 4808, Te2-9186, Box 74, Sparta, NC
 Busick, J. W., SR, AED, 2718 Clark, Te2-6451, Rt. 1, Elon College, NC
 Butler, Charles Tylon, SO, EE, 311 Turf, Box 4223, 122 Ashe St., Acme, NC
 Butler, Frederick Eugene, SR, EE, 10 YMCA, Box 5276, Te2-7184, 2201 Plaza Dr., Wilmington, NC
 Butler, John Patrick, FR, MA, 322 Syme, Box 3586, Te2-9222, 528 E. Blvd., Charlotte, NC
 Butler, Roy McMillian II, FR, FOR, 222 Becton, Te2-9334, P.O. Box 247, Clarkton, NC
 *Butto, Juan Salame, JR, EE, 1008 Powell Dr., Raleigh, NC, Te4-9592
 Boxton, Russell, SR, CE, 111 Watauga, Box 3011, Te2-9447, 802 Henry St., Roanoke Rapids, NC
 Buynitzky, Richard Stephen, SO, ME, 103 Chamberlain St., Te3-6901, 4515 Yuma St., N.W., Washington, 16, DC
 *Byerly, Richard Dale, JR, FOM, 718 Rosemont Ave., Va8-2705, Rt. 2, High Point, NC
 *Byers, Ted Ronald, FR, EE, Rt. 3, Arvin Apt. 2, Raleigh, NC
 Bynum, Arch Darden, FR, ARC, Welch, Box 3251, Te2-9119, Stantonsburg, NC
 Byrd, David Lincoln, FR, CE, 109 Syme, Box 3509, Te2-9288, Rt. 1, Box 246, Chadbourne, NC
 *Byrd, Harry Floyd, SR, EE, 999 N. Blount St., 1168 Stamper Rd., Fayetteville, NC
 Byrd, James Harmon, SR, CE, 239 Owen, Box 4493, Te2-9410, Rt. 4, Asheboro, NC
 Byrd, James William, JR, EPY, 128 Tucker, Box 4639, Te2-9388, Rt. 4, Mt. Olive, NC
 Byrd, Joe Lee, JR, MEA, 227 Turf, Box 4255, Te2-9297, 339 Aycock St., Concord, NC
 Byrd, John LaFayette, FR, FOR, 255 Tucker, Box 4722, Rt. 3, Box 273, Henderson, NC
 Byrd, Samuel Ellis, SO, AG, 239 Owen, Box 4493, Te2-9410, Rt. 1, Ramseur, NC
 Byrne, Matthew Love, Jr., FR, NE, 237 Alex., Box 4163, Te4-9746, 520 Cokey Rd., Rocky Mount, NC
 Byrum, William Albert, SR, TX, 913 Durant, Te4-9670 Rt. 4, Charlotte, NC
 Cabe, Alex Wimer Jr., FR, ME, 340 Owen, Box 4534, Te4-9826, Box 11, Fontana Dam, NC
 *Cabe, Herschel Herrin, SR, PPT, Wilsons Trailer Court, Rt. 4, Te4-5070, Rt. 1, Sylva, NC
 Cabe, Lewis Russell, FR, EE, 247 Owen, Box 4498, Te2-9252, Box 312 Franklin, NC
 Cackovic, Franklin Lewis, JR, IRR, 148 Owen, Box 4439, Te2-9115, 528 S. Second St., Steelton, Pa.
 Cackovic, Mark Michael, FR, IE, 148 Owen, Box 4439, Te2-9437, 455 S. Front., Steelton, Pa.
 Cadell, Bivens Larry, SO, MEA, 209 Tucker, Box 4682, Te2-9387, 1842 Plaza, Charlotte 5, NC
 Cade, George Turner, FR, IA, 12 Becton, Box 3814, Te2-9261, 2411 Marchison Rd., Fayetteville, NC
 *Cady, Foster Bernard, Jr., GR, Soils, 3006 Mayview Rd., 3005 Middletown, NY
 Cain, Billy Edward, FR, ME, 239 Tucker, Box 4709, Te2-9387, 1209 S. Fay St., Asheboro, NC
 Caison, Cecil Grant, SO, EE, 319 Tucker, Box 4737, Te2-9322, 507 W. Crawford, Mebane, NC
 *Caldwell, Billy Edward, 507 Webster St., Cary, NC, Rt. 2, Newton, NC
 Caldwell, James Daniel, FR, FOR, 56 Owen, Box 4590, Te2-9142, Box 127 Clyde, NC
 Caldwell, James Elam, Jr., SO, NE, 252 Tucker, Box 4719, Te2-9387, Rt. 10, Charlotte, NC
 Caldwell, Shakespeare Harris, Jr., SO, NE & E, 203 Bagwell, Box 3341, Te2-9131, 443 Roanoke Ave., Roanoke Rapids, NC

Caldwell, William Edward, Jr., SR, IE, 124 Bagwell, Te4-9219, Box 67, Wrightsville Beach, NC
 Caldwell, William Orville, Jr., JR, TX, 58 Owen, Box 4590, Te2-9142, Box 127 Clyde, NC
 Calhoun, Lauder Eugene, FR, AGE, 243 Owen, Box 4496, Te2-9410, Rt. 1, Laurinburg, NC
 *Calton, Wilburn Clyde, Jr., SR, IE, Te3-7792, 2101 Glenwood Ave., Raleigh, NC
 *Cameron, Julian Reid, SR, SED, Station B, Box 7536, Te2-7581, Ext. 362, Mt. Vernon Springs, NC
 *Cameron, Leon Edward, SO, ME, 202 Berry, Box 4309, Te2-9363, Rt. 1, Cameron, NC
 *Cameron, Neill William, JR, DM, 202 Berry, Box 4309, Te2-9363, Rt. 1, Box 116, Cameron, NC
 *Campbell, Charles Lee, Jr., JR, AED, 3736 Becton, Box 3736, Te2-9334, Rt. 1, Clarkton, NC
 *Campbell, Donald Byron Jr., SO, EE, 922 E. Edenton St., Raleigh, NC, Te4-9061
 *Campbell, George Henderson, SO, CE, 137 1/2 Gardner St., Murfreesboro, NC
 *Campbell, James Morgan, JR, ME, Fairway Dr., Te2-0515, Box 386, Elizabethtown, NC
 *Campbell, James Onas, Jr., SR, IA, 135 Turl., Box 4230, Te4-9279, Box 215, Caroleen, NC
 *Campbell, James Robert, JR, CE, 1508 Frank St., 205 11th St., N.W., Hickory, NC
 *Campbell, John Thomas Jr., JR, IA, 1324 Canterbury Rd., Te2-3694, Box 449, Washington, NC
 *Campbell, Malcolm James, FR, ME, 11 Syme, Box 3607, Te2-9421, Vance St., Laurinburg, NC
 *Campbell, Rex Cornelius, JR, EE, 129 Alexander, Box 4124, Te2-9257, Rt. 4, Box 115, Statesville, NC
 *Campbell, Robert Leroy, FR, NE, 223 Tucker, Box 4694, Te2-5387, 502 9th St., NW, Hickory, NC
 *Campbell, Roy Howard, Jr., SR, ME, 3404 Ruffin St., Te2-9912, 422 N. Boundary, Salisbury, NC
 *Campbell, William Donaldson, JR, CE, 122 Alexander, Box 4117, Te2-9257, 2314 Charlotte Dr., Charlotte, NC
 *Campbell, William Purcell, FR, ME, 2226 Hillsboro St., Statesville, NC
 *Campbell, William Vernon, GR, ENT, UK 29 Vetville, Te3-4364, UK 29 Vetville, Raleigh, NC
 *Canady, Donale Ray, JR, EE, 991 N. Blount St., 991 N. Blount St., Raleigh, NC
 *Cannaday, Curtis Paul, Jr., JR, ME, 16 North Boylan Ave., Te2-4073, 504 Arlington St., Forest City, NC
 *Candell, Marguerite Evelyn, (Mrs.), 1600 Canterbury Rd., Raleigh, NC
 *Cansler, Joe C., SO, AG, 8 Stadium, Box 4353, Te3-9803, Rt. 1, Troutman, NC
 *Cantrell, Weldon Kermit, FR, NE, 349 Tucker, Box 4776, Te2-9323, Box 445, Tryon, NC
 *Capel, Arron William, JR, TX, 2514 Clark Ave., Te3-4522, Main St., Troy, NC
 *Capell, Ernest Paul, SO, PPT, 62 Tucker, Box 4812, Te2-9186, Box 204, Pisgah Forest, NC
 *Capps, Anthony Sherrill, SO, AGP, 130 Bagwell, Box 3330, Te2-9412, Rt. 3, Smithfield, NC
 *Capps, Arnold Ray, SR, CE, 1325 Mordecai Dr., Te2-2491, Rt. 5, Hendersonville, NC
 *Capps, Cecil Wyche, SO, ME, 2109 Pine Dr., Te4-6959, 2109 Pine Dr., Raleigh, NC
 *Capps, Claude Noble, SO, ABC, 130 Bagwell, Box 3330, Te-9451, Rt. 3, Smithfield, NC
 *Capps, Elmer Eugene, SR, AED, 314 Watauga, Box 3050, Te2-9132, Rt. 1, Selma, NC
 *Capps, Jack E., SR, IE, 12 1/2 Bagwell Ave., Charlotte Ave., Sanford, NC
 *Capps, Julian McElree, SR, HAC, 131 Turlington, Box 4227, Te4-9279, Rt. 4, Box 45, Henderson, NC
 *Capps, Weldon Clinton, JR, FOR, 3321 Bagwell, Box 3321, Te2-9412, Warrenton, NC
 *Carawan, Lloyd Laurell, JR, IA, 127 Tucker, Box 4638, Te2-9388, Mesic, NC
 *Cardell, Max Lee, JR, ME, 1217 Kent Rd., Box 613, Raleigh, NC, Baldwin Ave., Marion, NC
 *Carey, Donald Royal, SR, TX, 3414 Hillsboro St., 68 Shenandoah Rd., Warwick, RI
 *Carey, Java O'Neil, FR, AGE, 229 Owen, Box 4454, Te2-9410, Rt. 5, Burlington, NC
 *Carlton, James Elmore, Jr., JR, SED, Te3-4029, Box 206, Eatmon Mill Rd., Raleigh, NC
 *Carlton, John Phillips, SO, AGC, 922 W. Johnson St., Te2-2788, Drawer 297, Pinetops, NC
 *Carlyle, Alexander Andrews, E, Te3-5531, 3810 Burt Dr., Raleigh, NC
 *Carlyle, Joseph Ray, SO, DM, 502 Tilden St., Te2-5344, Box 707 Kinston, NC
 *Carlyle, Robert Cecil, FR, IE, Te2-9140, 404 Barbour St., Fayetteville, NC
 *Carmichael, David Lee, JR, EE, Rt. 2, Poole Rd., Raleigh, NC, Te4-9510, Rt. 6, High Point, NC
 *Carnes, William Capers, JR., GRAD, WCM, UK 21 Vetville, Raleigh, 200 Madison St., Hamlet, NC
 *Carpenter, James Robert, JR, PPT, 103 Chamberlain St., Te3-6901, 822 Kings Rd., Shelby, NC
 *Carpenter, Lewis Franklin, FR, IA, 141 Owen, Box 4435, Te2-9115, Rt. 1, Dallas, NC
 *Carpenter, Nedette Michael, FR, MEA, 231 Syme, Box 3563, Te2-9150, 430 W. Main St., Elkin, NC
 *Carpenter, Thomas Earl, SR, IA, 118 Watauga, Box 3018, Te2-9447, Rt. 4, Albermarle, NC
 *Carr, Donald Gael, JR, FOM, 1501 Benehan St., Te4-0271, Rt. 3, Murphy, NC
 *Carr, John Curtis, FR, EE, 154 Tucker, Box 4661, Te2-9388, Rt. 1, Box 2550, Goldsboro, NC
 *Carraway, Edward Earl, JR, NE, 106 Watauga, Box 3006, Newport, NC
 *Carrier, Albert Heath, FR, DN, 61 Owen, Box 4595, 1035 Guilford St., Charlotte, NC
 *Carrigan, William Chester, SO, FOR, 156 Owen, Box 4447, Te2-9437, Rt. 1, China Grove, NC
 *Carriker, Terry Wayne, SO, EE, 209 Tucker, Te2-9387, 447 Brent St., Winston Salem, NC
 *Carringer, John McClung, FR, NE, 329 Owen, Box 4544, Te2-9300, Andrews, NC
 *Carrington, Thomas Watkins, FR, EE, 224 Tucker, Box 4695, Te2-9387, Williamsboro St., Oxford, NC
 *Carroll, Daniel Wilson, JR, AGC, Owen, Box 4594, Te2-9142, Rt. 1, Durham, NC
 *Carroll, Henry Constantine, FR, E, 140 Tucker, Box 4650, Te2-9388, 2 Southview Rd., Chappagua, NY
 *Carroll, James Charles, JR, EE, 352 Owen, Box 4563, Te2-9464, 101 Chestnut, Mt. Olive, NC
 *Carroll, Mason Lindsay, SR, CE, 811 C Daniels St., Te4-6466, 1005 Queens St., Shelby, NC
 *Carroll, Wesley Lee, SO, EE, 811 Wilmington Terrace, Rt. 1, Youngsville, NC
 *Carruthers, Woodrow Wilson, Jr., FR, IA, 339 Owen, Box 4553, Te4-9300, 806 Cypress, Greensboro, NC
 *Carson, Edward, SO, EE, 8 Dare Terr., Te2-7269, 8 Dare Terr., Raleigh, NC
 *Carson, Hugh Clarence, SR, EE, 28-F Vetville, Te2-5084, 28-F Vetville, Raleigh, NC
 *Carson, John Kelsie, FR, FMM, 206 Owen, Box 4463, Te2-9410, 344 Charles, Morristown, Tenn.
 *Carter, Billy Wayne, FR, EE, Becton, Box 3783, Te2-9372, Rt. 2, Middlesex, NC
 *Carter, Cedil Neal, FR, PPT, 313 Turlington, Box 4275, Te2-9192, 214 Golf Road, Plymouth, NC
 *Carter, Charles David, SO, PPT, 221 Alexander, Box 4150, Te4-9746, Inverness, Fla.
 *Carter, Don Bainbridge, FR, CHE, 238 Tucker, Box 4708, Te2-9387, Rt. 5, Fayetteville, NC
 *Carter, James Sidney, Jr., SR, EE, E-2B Shelton Apts., Te4-9508, Box 687, Battleboro, NC
 *Carter, Jerry Trent, FR, MEA, 306 Owen, Box 4523, Te4-9300, 3915 Waddell Road, Winston-Salem, NC
 *Carter, John Brooks, JR, ME, 128 Wilmington, Rt. 3, Canton, NC
 *Carter, Larry Lee, JR, ME, 2512 Clark Ave., Te2-4843, 2400 Jefferson, Winston-Salem, NC
 *Carter, Ronald Colon, FR, EE, 15 Maiden Lane, Rt. 4, Box 727, Greensboro, NC
 *Cartledge, Allan Ray, SO, MEA, 2112 Mayview Rd., Weaverville, NC
 *Cartmel, Franklin Bromley, JR, IE, 1620 Hillsboro, Box 5042, Te2-9531, Pleasantville, NY
 *Carver, John Franklin, SO, ME, 1418 1/2 Mordecai Dr., 513 W. Washington, Suffolk, Va.

*Cash, Daniel Hydrick, 1317½ Dale St., Raleigh, NC
 Cash, Lee Wiley, SR, HRT, 105 Berry, Box 4305, Te2-9363, Rt. 1, Shelby, NC
 Cashatt, Everett Dalrymple, SO, WCM, 107 Owan, Box 4404, Te2-9115, Draper Rd., Spray, NC
 Cashatta, James, SO, EE, Alexander 229, Box 4158, Te4-4746, 2875 Ocean Ave., Brooklyn, NY
 Cashwell, Richard Johnson, SR, NE, G Stadium, Box 4351, Te4-5803, 305 W. 19th., Lumberton, NC
 Cashwell, Russell Gordon, SR, EE, G Stadium, Box 4351, Te4-9803, 305 W. 19th., Lumberton, NC
 *Casler, Raymond Lynn, JR, MEA, 2470 Wesley Rd., Te2-6110, 2470 Wesley Rd., Raleigh, NC
 Cassels, Orid Pendleton, Jr., SO, CE, 719 Chamberlain St., Te3-4522, 1238 Marlwood, Charlotte, NC
 Casteen, Adrain Russell, SR, IRR, 143 Tucker, Box 4652, Te2-9388, 107 So. 16, Wilmington, NC
 Casteen, Daniel Robert, SO, IRR, 143 Tucker, Box 4652, Te2-9388, 107 So. 16, Wilmington, NC
 *Castleberry, Billy Hatcher, SR, IRR, 703 Va. Ave., Raleigh, NC, Te3-6718
 Cates, Addis Pittard, Jr., FR, CE, 58 Tucker, Box 4805, Te2-9186, Faison, NC
 Cates, Charles Hugh Jr., SO, CE, 209 Watauga, Box 3027, Henderson, NC
 Cates, Jan Clevenger, FR, HAC, 115 Tucker, Box 4626, Te2-9388, 203 Tarpley, Burlington, NC
 Cathey, Thomas Robert, SO, EE, 113 Bagwell, Box 3313, Te4-9219, 19 Holly Dr., Havelock, NC
 Catleh, Sedney Lee, JR, IATO, 214 Watauga, Box 3032, Te2-9132, Rt. 7, Raleigh, NC
 *Caudill, Charles Edward, GRAD, AGC, 20 Bagwell Ave., Glendale Springs, NC
 *Caudle, George Everett, SR, AED, Rt. 4, Box 158-A, Raleigh, NC, Rt. 1, Richfield, NC
 Caudle, Johnny Allen, SO, NE, Pi Kappa Phi, Te4-0435, 106 Hillside, L. Lenoir, NC
 Caudle, Sam Jay, SR, IE, 208 Watauga, Box 3026, Te2-9132, Rt. 2, Winston-Salem, NC
 Caune, Janis Z., JR, ARC, 20 Logan Ct., Te2-6215, 1050 E. Main, Washington, NC
 Cavanaugh, Marvin Stephen, FR, ME, R-122 Becton, Box 3722, Te2-9256, 107 E. Bayshore, Jacksonville, NC
 *Caviness, Dewey Lee Jr., SR, HAC, Collegeview Tr. Pk., Te2-9110, 1103 Sunset Ext., Asheboro, NC
 Cayton, Jan Morrill, JR, IA, 212 Becton, Box 3746, Te2-9334, 109 N. Waverly, Farmville, NC
 Ceren, Victor, SO, FMM, 130 Hawthorne Rd., Te4-7325, 20 Mott Place, New York, NY
 Certain, Randall Darwin, FR, ME, 63 Tucker, Box 4813, Te4-9254, Rt. 1, Bessemer City, NC
 Cha, Woo Yong, SR, TC, 243 Tucker, Box 4712, Te2-9387, Seoul, Korea
 *Chaffin, Thurmond Odus, SO, WCM, Rt. 4, Raleigh, NC, Rt. 4, Macksville, NC
 *Chalk, Harvey Ferrell, SO, AI, 1529 Hanover St., Te2-2223, 1529 Hanover St., Raleigh, NC
 *Chalkley, Charles Eaton, FR, IRR, 205 W. Park Dr., Raleigh, NC
 *Chalmers, Richard K., FR, ARC, 835-C Daniels, Raleigh, NC
 Chambers, James Maston Jr., JR, TX, 2507 St. Mary's St., Raleigh, NC, Te4-2674
 Champion, Roy Lunsford, SO, NE, 337 Turlington, Box 4296, Te2-9192, Box 1330, Wilson, NC
 Chandigie, Hermon Robert, SR, IATO, 202 Bagwell, Box 3334, Te2-9131, 304 Mocksville, Ave., Salisbury, NC
 Chandhracharensuk, Pongsayane, UN, AG, 2705 Van Dyke Ave., Te2-3843, Bangkok, Thailand
 *Chandler, Jack Leonard, SR, IE, 5-C Vetville, Te4-7956, Raleigh, NC
 Chandler, John Marbury, JR, LA, 1806 Hillsboro, Te2-2565, 511 Davie Ave., Statesville, NC
 *Chaplin, Robert Lee, GR, EPY, H-3 Shelton Apts, Ext. 353, Raleigh, NC
 Chapman, Robert Eugene Jr., SO, IE, 706 W. Aycock, Box 6071, Te3-1381, Raleigh, NC
 Chapman, William Walker, SR, CE, 2405 Clark Ave., Te2-6543, Box 264, Providence Forge, Va.
 Chappell, Duncan Dale, SR, TX, Turlington, Box 4221, Te4-9279, Box 146, Candor, NC
 Chappell, John Fredrick, JR, NE, 311 Syme, Box 3575, Te2-9222, 240 N. Ridge, Southern Pines, NC
 Chappell, Nereus William Jr., JR, ME, 308 St. Marys, Box 215, Te2-8839, Belvidere, NC
 Chappell, Tilson Edward, SR, ME, 2703 Clark Ave., Te3-31433, Belvidere, NC
 Charles, Ernest George, SO, IE, 7 South West St., Te2-0212, Raleigh, NC
 Charron, Christian Dmb, SO, EE, Syme 203, Box 3535, Te2-9150, 2501 Pickwick Lane, Rollingwood, Austin, Texas.
 Chatham, James Owen, JR, EE, 1501 Benehan St., Te4-0221, 2362 Elizabeth, Winston-Salem, NC
 Chawon, Robert Paul, FR, CE, 307 Welch, Box 3267, Te2-9119, 314 Silver Pine Dr., Hendersonville, NC
 *Cheek, Randall Puryear, JR, WCM, 1702 N. Blount St., Te4-1514, Raleigh, NC
 Cheek, Ray Harvey Jr., FR, CE, 301 Syme, Box 3565, Te2-9222, Rt. 1, Jonesville, NC
 Cheek, Walter David, SO, ME, 323 Tucker, Box 4754, Te4-9739, 1711 Fifth St., Burlington, NC
 Chen, Paul Pao-ho, GR, EE, 208 Gold, Box 3220, Te2-9263, 8 Double Li-Yuan Lane, E. Tower St., Tientsin, China
 Chen, Ting Piao, GR, CH, 107 Gold, Te2-0263, 9 Wel Wing Street, Taipei, Taiwan, China
 Chen, Ting Piao, GR, CH, 308 Gold, Box 3232, China
 *Cheniae, George Maurice, GR, PPH, UK 43, Te4-3877, 436 S. Pine, Centralia, Ill.
 Cherry, James Stewart, SO, ME, 1522 Hanover St., Te2-4165, Raleigh, NC
 Cherry, Sooman Thaddeus, FR, ME, 6 Syme, Box 3602, Te2-9421, 205 Hull Rd., Fayetteville, NC
 Chesnutt, William Porter, FR, TX, 115 Turlington, Box 4212, Te4-9279, Ingleside Park, Athen, Tenn.
 Chesson, Roger Temple, SO, EE, 236 Tucker, Box 4706, Te2-9387, Box 36, Roper, NC
 *Chew, Victor, GR, EST, 118 Patterson Hall, 3807 Poole St., Raleigh, NC
 Childress, Mitchael Lee, FR, EE, 53 Tucker, Box 4803, Te2-9186, Rt. 1, Gibsonville, NC
 *Childs, Samuel James, PON, Apt. G, Glenwood Arms, Rt. 4, Hendersonville, NC
 Chiles, Robert Mahlon, SO, ME, 9 Berry, Box 4342, Te2-9350, Carbondon Rd., Sanford, NC
 Choate, Ira B., SR, MIM, 237 Tucker, Box 4707, Te2-9387, Rt. 1, Pineville, NC
 Chocon, Mauricio Elias, JR, IE, 315 Tucker, Box 4647, Te4-9739, Apartado 1043, Caracas, Venezuela.
 Choudry, Salim A, JR, TX, 134 Turil, Box 4229
 Choudhurg, Mujibur R., GR, NE, 1308 Glenwood Ave.
 *Chrisman, Mason Riley, JR, CE, 2408 Greenway Ave., Va8-2162, 225 Ridgewood Ave., Charlotte, NC
 Christenbury, Earl Thomas Jr., FR, EE, 350 Tucker, Box 4777, Te2-9323, 203 Parnell Dr., Fayetteville, NC
 Christenbury, Silas Ted, FR, MCA, 219 Owen, Box 4474, Te2-9410, Rt. 1, Harrisburg, NC
 Christensen, John William Jr., AED, Turlington, Box 4207, Te4-9779, Whiteville, NC
 *Christie, James Henry, SR, IA, 7-E Vetville, Te4-7949, Raleigh, NC
 Christopher, William Ames, FR, HRT, 228 Becton, Box 3762, Te2-9334, Sycamore Rd., Franklin, Va.
 Christy, Donald Dean, FR, IE, 156 Tucker, Box 4163, Te2-9388, 2438 Overhill Rd., Charlotte, NC
 *Christy, Richard Joseph, JR, IRR, 211 Bagwell, Box 3343, Te2-9131, 1015 Ward, Chester, Pa.
 Church, Jerry Anderson, JR, NE, 155 Tucker, Box 4662, Te2-9367, Box 855, Valdese, NC
 *Cikane, Harry Arthur Jr., FR, ME, Rt. 4, c/o Wickers Trailer Park, Raleigh, NC
 Cilibert, Vito A., GR, PPT, 2504 Vanderbilt Ave., Olive Bridge, NY

Cilvik, Reginald Morgan, JR, EE, 102 Berry, Box 4302, Te2-9350, 2841 Adams St., Wilmington, NC
 Clapp, John Garland, Jr., JR, FC, 110 Turlington, Box 4207, Te4-9279, Rt. 6, Box 463, Greensboro, NC
 Clapp, Richard Edwin, JR, ME, 120 Hillcrest, Te2-6383, 615 W. 3rd, Siler City, NC
 Clardy, John Palmer, JR, PPT, 319 Turlington, Box 4281, Te2-9192, 1219 Richmond Dr., Georgetown, SC
 *Clark, Douglas Coupland, JR, ME, 907 Wilmington Terrace, 2817 Bon Air Ave., Winston-Salem, NC
 Clark, Jack Adams, SO, EE, 320 Bagwell, Box 3383, Te4-9151, 701 N. Endor, Sanford, NC
 Clark, James Norfleet, Jr., FR, EE, 329 Alexander, Box 4192, Te2-9349, 313 Woodlawn Ave., Weldon, NC
 Clark, Jan Burton, SO, EE, 61 Tucker, Box 4811, Te2-9367, Williamston, NC
 Clark, John C., SO, 6 Syme, Box 3602, Te2-9421, 712 Athens Ave, Fayetteville, NC
 *Clark, John Charles, FR, MEA, 2229 Noble Rd., Raleigh, NC
 Clark, John Douglas, JR, CE, 220 Tucker, Box 4691, Rt. 5, Box 885, Charlotte, NC
 Clark, Ken John, JR, IRR, 308 Welch, Box 3340, 142-46-56-Rd., Flushing, NY
 Clark, Martin, GR, EE, 1903 1/2 Woodland Ave., Burlington, NC
 Clark, Navy King, SR, FOR, 125 Hawthorne Rd., 12 E. 49th St., Savannah, Ga.
 Clark, Paul Leonard, SR, ME, 117 Syme, Box 3517, Te2-4288, 904 Florida, Greensboro, NC
 *Clark, Robert Carroll, SO, ME, 3025 Leonard St., Te2-0353, Raleigh, NC
 Clark, Wesley Merton, JR, CE, 1 Stadium, Box 4346, Te4-9803, 412 Winona Ave., Lumberton, NC
 *Clark, William Dawson, SR, EE, 220 Ellington St., Clayton, NC, Oriental, NC
 *Clarke, Allison, M., 3413 Churchill Rd., Raleigh, NC
 Clarke, Donald Henry, SR, ME, 8-B Vetville, Te4-6545, Grimesland, NC
 Clarke, Gary Owensby, SR, TX, 108 Berry, Box 4344, Te2-9363, Rt. 4, Shelby, NC
 Clarke, Hazel Virginia, GR, HC, Durham, 9-3109, 402 Mincey St., Durham, NC
 Clarke, James Albon, FR, IE, 335 Tucker, Box 4765, Te2-9323, Rt. 7, Box 430, Lenoir, NC
 Clarke, John Pope, SR, ME, 124 Bagwell, Box 3324, Te4-9219, Norlina, NC
 Clarke, Louis Wingfield, FR, CEC, 231 Bagwell, Box 3363, Te2-9131, Engelhard, NC
 *Clarke, Wyndham Lee, SR, NE, 3413 Churchill Rd., Raleigh, NC
 Clayton, Edward Lewis, FR, CHE, 104 Berry, Box 4304, Te2-9350, 1004 Panola, Tarboro, NC
 Clayton, John Harry, Jr., JR, CEC, 103 Chamberlain, Raleigh, NC
 Clegg, Henry Clay Jr., SR, CE, 708 Hillsboro St., Rt. 1, Moncure, NC
 Clement, Richard Noel, SO, CE, 212 Turlington, Box 4240, Te2-9297, Rt. 2, Lenoir, NC
 Clement, Robert Lane, SO, CE, 1710 Hillsboro St., 2107 Grace Ave., New Bern, NC
 Clement, Walter Franklin, SR, AGY, 131 Owen, Box 4426, Te2-9115, Enfield, NC
 Clements, Albert Framl, SR, GEE, 2601 Clark Ave., 322 Spring St., Hamlet, NC
 Clements, Morrison M., SR, EE, 345 Owen, Box 4557, Te4-9300, Foxrun Rd., Westport, Conn.
 Clemmer, Lewis Eugene, SR, MEA, 2512 Clark Ave., Te4-4843, 912 Gibbon St., Gastonia, NC
 Clemmer, William Herbert, FR, EE, 259 Tucker, Box 4726, Te2-9387, 322 Quaker Lane, High Point, NC
 Clemmons, Gene Arthur, FR, EE, 11 Becton, Box 3813, Te2-9261, Rt. 2, Clayton, NC
 Clemmons Paul Potter, FR, DN, 120 Syme, Box 3520, Te2-9284, 131 Longleaf Dr., Wilmington, NC
 Clifton, Frank Thomas, FR, E, 328 Tucker, Box 4758, Te4-9739, N. Church, Mt. Olive, NC
 Cline, Ambrose Schenck, JR, MEA, Te3-9445, Rt. 2, Raleigh, NC
 *Cline, Robert Clyde, SR, ME, 2610 Mayview Rd., Va3-2034, 2411 Anderson Dr., Raleigh, NC
 Cline, Stannie Sherrill, SO, EE, Te4-1791, Rt. 6, Raleigh, NC
 Clippard, Carson Alexander, Jr., JR, CE, 128 Bagwell, Box 3328, Te2-9412, 322 S. Main St., Roefort, NC
 Clippard, James Henry, Jr., JR, GEE, 115 Hawthorne Rd., Te4-8854, 1311 Greenwood Cliff, Charlotte, NC
 Clodfelter, Bruce Simmons Jr., SR, IAOP, 1408 Hillsboro, Te2-2262, 704 Monthin, High Point, NC
 Cof, Ervin Sims, SO, ME, 62 Owen, Box 4596, Rt. 5, Box 17, Morganton, NC
 Cloninger, Timothy Earl, FR, MD, 109 Owen, Box 4406, Te2-9115, Newton, NC
 Clontz, William Ronald, SO, CHE, 306 Bagwell, Box 3372, Te4-9151, Box 162, Taylorsville, NC
 Clouse, Lawrence Alvin, SO, EE, 2703 1/2 Clark, 3006 Dekens, Tampa, Fla.
 Coats, George Herman III, SO, EE, 325 Becton, Box 3798, Te2-9372, 315 Barbour St., Clayton, NC
 *Coats, John William, FR, ME, 45 Owen, Box 4580, Te2-9142, 899-A Dowling St., Hampton, Va.
 *Cobb, Edgar Reid, SR, NE, 8027 Farrior Rd., Te3-6128, Raleigh, NC
 Cobb, John Charles, FR, E, 221 Bagwell, Box 3353, Te2-9131, 11 Pine Tree Rd., Asheville, NC
 Coble, Charles Joseph, FR, ME, 327 Syme, Box 3591, Te2-9222, Presbyrian Ava., Laurinbury, NC
 Coble, David Franklin, FR, EE, 231 Owen, Box 4686, Te2-9410, Rt. 2, Garland, NC
 Coble, David Scott, FA, AG, 48 Tucker, Box 4798, Te2-9186, Rt. 2, Garland, NC
 *Coble, Howard Fred, SR, EE, Rt. 4, Box 145, Te4-3741, Rt. 6, Box 184-A, Burlington, NC
 Coble, James Alfred, FR, NE, 247 Owen, Box 4498, Te2-9252, Rt. 3, Liberty, NC
 Coble, Richard Nelson, FR, AED, 123 Alexander, Box 4118, Te2-9257, Rt. 5, Fayetteville, NC
 Coburn, Richard Ray, SO, EE, 106 Becton, Box 3706, Te2-9334, Rt. 1, Box 494, Roanoke Rapids, NC
 Cochran, George Calvin, SR, TX, 2514 Clark Ave., Te3-4522, 1733 Meadowbrook, Winston-Salem, NC
 Cochran, Joe Beverly, Jr., SR, CEC, 239 Alexander, Box 4165, Te4-9746, Southport, NC
 Cochran, Joe Kenneth, SR, ME, 2512 Clark Ave., Te2-4843, Rt. 2, Union Mills, NC
 Cochran, N. Thomas, SO, GEE, 311 Bagwell, Box 3377, Te4-9151, 1209 Harding, Charlotte, NC
 Cocke, William Johnston, JR, EPY, 2514 Clark Ave., Te3-4522, 11 Buena Vista Rd., Asheville, NC
 Cockman, Arthur Guynne, SO, ME, 708 Hillsboro St. Rt. 3, Pittsboro, NC
 Cockman, Russell Preston, JR, ME, 708 Hillsboro St., Rt. 3, Pittsboro, NC
 *Cockraft, Lindon Uhle, State Hospital, 1485 S. Noble Rd., Cleveland Hgts., Ohio
 *Cockrell, Henry Hadley, Jr., SR, EE, 1027 Vance St., Te4-7078, 1313 Mordecai Dr., Raleigh, NC
 *Cockrell, Sanford Alonza Jr., SO, GEE, 1811 Wilshire Dr., Te4-0947, Raleigh, NC
 Code, Reginald Hodgins, SR, ARC, 112 Cox Ave., 1203 Spring Garden St., Greensboro, NC
 Cody, Julius Butler, FR, ME, 208 Tucker, Box 4681, Te2-9387, 1931 13th Ave., S. W., Hickory, NC
 *Coffee, Roy Clifford, GR, S, 18 Horne, Raleigh, NC
 Coffin, John Donald, SO, CE, 327 Tucker, Box 4758, Te4-9739, Haw River, NC
 Coggins, Billy Ray, SR, TX, 302 Berry, Box 4322, Te2-9363, Thomasville, NC
 *Coggins, Garland Ray, SR, IE, 24-F Vetville, Te2-9290, 500 Cox, Thomasville, NC
 Coggins, Robert Vance, SO, EE, 305 Alexander, Box 4171, Te2-9349, Box 371, Swepsonville, NC
 *Cohen, Arnold Hugh, FR, MEA, 349 Owen, Box 4560, Te4-9300, 1215 E. 10th, Brooklyn, NY
 *Coker, Walter James, Jr., JR, FOR, 21-D Vetville, 224 Roanoke Ave., Roanoke Rapids, NC
 Kokinos, Dimitrios, GR, NE, 310 Gold, Box 3234, Te2-9263, 622 W. 141st St., New York, NY
 Cole, Carl Doris, SR, EE, 2702 Hillsboro St., Te2-1835, Rt. 1, Box 4, Kings Mountain, NC

*Cole, Emmitt Franklin, JR, MEA, Apt. 13-F Vetteville, Te3-1767, Raleigh, NC
 Coleman, Jerry Douglas, SR, ME, 214 Tucker, Box 4685, Wilmington, NC
 Coley, Bill Garrison, SR, ARC, 1710 Hillsboro, Te4-2001, Raleigh, NC
 Coley, John Nelson, FR, NE, 311 Bagwell, Box 3377, Te4-9151, 115 Ashe Ave., Newton, NC
 *Coley, Samuel Joseph, SO, AED, 909 Wilm. Ter. Halifax Court, N. Blount, Raleigh, NC
 *Coley, William Vernon, Jr., SR, EE, 9-D Vetteville, Te4-5347, 2119 Metts Ave., Wilmington, NC
 *Collar, John Howard, SR, IA, 915 New Bern Ave., Va8-2438, Raleigh, NC
 *Colley, John Leonard, GR, IE, 2314 McMullan Circle, Te3-3486, Raleigh, Rt. 3, Wilmington, NC
 *Collie, Jason Thomas, Jr., SR, IE, Buffalo Trailer Pk., Te4-1646, Rt. 1, Pelham, NC
 *Collier, Arthur Gray Jr., SR, FC, 115 Becton, Box 3715, Te2-9256, Bladenboro, NC
 *Collier, Curtis Edward, 301 N. 3rd St., Smithfield, NC
 Collier, James Franklin, FR, FOR, Tucker, Box 4684, Te2-9387, Box 595, Carolina Beach, NC
 *Collier, Shelton Ray, JR, CEC, 7 Enterprise St., Box TCK 6, 8048 Dell St., Norfolk, Va.
 *Collier, Talmadge Whitley, SO, FOR, 307 Urban Dr., Box 627, Hot-2115, Cary, NC
 Collier, William A., JR, ME, 103 Chamberlain, Te3-6901, 2319 Bay St., Charlotte, NC
 Collins, Charlie Wayland, FR, CE, 329 Tucker, Box 4760, Te4-9739, Corban Court, Concord, NC
 *Collins, Douglas B., SR, TX, 402 Morrison Ave., Raleigh, NC
 Collins, Harold Arthur, Jr., SO, ARC, 2720 Bedford Ave., Te2-5019, Youngs Rd., Southern Pines, NC
 *Collins, John Marion, SO, FOR, 1508 Frank So, Rt. 1, Box 41, Elkin, NC
 *Collins, Joseph P., JR, CEC, 431 Halifax St., Te2-6398, Raleigh, NC
 Collins, Loren Malcolm, JR, ME, 3205 Hillsboro, Box 5491, Te2-1284, Rt. 2, Cassatt, SC
 Collins, William Henry, SR, HRT, New Greenhouse, Hrt. Dept., Ext 418, Wingate, NC
 *Collins, William Kerr, GR, FC, 451 A, Williams Hall, Ext 334, J-1 Country Club Homes, Raleigh, NC
 Collins, William Lawman, JR, EE, 352 Tucker, Box 4779, Te2-9323, 4200 Mineral Ave., Winston-Salem, NC
 Colombo, Ronald Wayne, FR, NE, 238 Alexander, Box 4164, Pes-2552, 132 S. Middletown Rd., New York, NY
 Colquitt, David Charles, FR, MEA, 317 Alexander, Box 4180, Te2-9349, 702 Grover St., Shelby, NC
 Colson, Charles Edward, FR, AG, 256 Owen, Box 4507, Te2-9252, Rt. 1, Norwood, NC
 Colton, George Marshall, SR, NE, 123 Becton, Box 3723, Te2-9256 Southern Pines, NC
 *Coltrane, Robert Irvin, FR, AED, 904 Boylan Drive, Te4-6532, Raleigh, NC
 *Colvin, George William Jr., SR, AEC, 2809 O'Berry St., Te2-4936, Raleigh, NC
 Combs, Clarence Leon, FR, EE, 10 Becton, Box 3312, Te2-9251, 312 E. Va. Ave., Draper, NC
 Comeau, Clifford Mercer, SR, CE, 310 Wesh, Box 3270, Te2-9119, Bolivia, NC
 *Compton, Julius Theadford, Rt. 1, Cary, NC
 *Compton, William Avera, SR, AI, 414 Penny St., Em2-3911, Garner, NC
 Cone, Worth Frederick, FR, AG, 334 Becton, Box 3802, Te2-9372, Rt. 1, Spring Hope, NC
 Conley, Kenneth Evans, 230 Alexander, Te4-9746, 332 Highland Ave., Shelby, NC
 Conley, William Ray, SO, MEA, 309 Tucker, Box 4742, Te4-9739, Box 463, Marion, NC
 Connell, Eugene Douglas, JR, TX, 211 Becton, Box 3745, Te2-9256, 802 Salisbury Ave., Spencer, NC
 Connell, Oscar Watson Jr., FR, EE, 235 Tucker, Box 4705, Te2-9387, Rt. 1, Box 205B, Charlotte, NC
 Connelly, Alvin Ray, FR, ARC, 117 Tucker, Box 4628, Te2-9388, Rt. 1, Guilford College, NC
 Conner, Edwin Tucker, JR, AI, 2600 1/2 Mayview Rd., Te3-7554, Clover, Va.
 Conner, John Leroy, FR, FOR, 17 Syme, Box 3613, Te2-9421, 407 Third St., Seaford, Del.
 Connor, Ronald Everett, FR, CHE, 357 Tucker, Box 4734, 189 Lake Forest Pkwy., Wilmington, NC
 *Conover, Norman Robert, GR, WCM, 801 New Bern Ave., 108 Third Ave., Atlantic Highlands, NJ
 Conrad, Arnold Gray, SO, DH, 4700 Hillsboro, Te2-9763, Rt. 8, Winston-Salem, NC
 Conrad, Ronald Gray, SR, NE, 181 Horne St., 105 N. Marshall St., Winston-Salem, NC
 Constantine, Randolph, Jr., JR, EMA, 308 Horne St., Te2-7050, 1407 Main St., Tarboro, NC
 *Conway, John Spencer, SO, FMM, 2366 Grant Ave., Va8-2207, Raleigh, NC
 Conway, Wallace Reid, JR, ME, 132 Woodburn Rd., Te3-0088, 2301 E. 4th St., Greenville, NC
 *Cook, Earl Ralph, Prof., CE, 5129 Melbourne Road, Te4-4105, Raleigh, NC
 Cook, Johnny Hugh, FR, EE, 167 Tucker, Box 4678, Te2-9388, 123 S. Main, Marion, NC
 *Cook, Robert Edward, UK-33, Vetteville, Te2-4923, Gandeveville, W. Va.
 Cook, Russell A. Jr., FR, AGE, 349 Owen, Box 4560, Te4-9836, 26 Hillside, Cresskill, NJ
 *Cook, Walter Lewis, SO, IRR, 713 Sasser St., Te2-6037, Raleigh, NC
 Cooke, James Robert, FR, AGE, 116 Bagwell, Box 3316, Te4-9219, Rt. 2, Box 251, Huntersville, NC
 Cooke, Lawrence James, Jr., SO, CE, 359 Owen, Box 4570, Te4-9300, Elizabethtown, NC
 Cooke, Oren Boyd, FR, NE, 114 Owen, Box 4409, Te2-9437, Rt. 1, Maiden, NC
 *Cooke, Robert Lee, JR, FOM, 2910 O'Berry St., Te4-5459, Raleigh, NC
 Cooper, Barry Bennett, FR, MEA, 328 Tucker, Box 4759, Te4-9739, 1425 Summit Ave., Fayetteville, NC
 *Cooper, Dale Edward, GR, ST, 2339 Grant Ave., Rt. 3, Hobart, Okla.
 *Cooper, Miles Robert, JR, AG, Tel. 2533, Rt. 3, Selma, NC
 *Cooper, Samuel Allen, Jr., SR, CRE, Rt. 5, Butler Rd., Raleigh, NC
 Cope, Richard, Owen, FR, ME, 157 Owen, Box 4448, Te2-9115, 1711 Spencer Mtn. Rd., Gastonia, NC
 Cope, Roy Douglas, FR, EE, 332 Owen, Box 4547, Rt. 4, Lexington, NC
 Copeland, Archie Wallace, SR, IRR, 3129 Stanhope, Te2-0667, Raleigh, NC
 Copenhaver, Howard Wayne, Jr., JR, ME, 224 Turlington, Box 4252, Te2-9297, 103 S. Anderson, Morganton, NC
 Coram, Jerry Gorrell, SO, CE, 213 Alexander, Box 4142, Te4-9746, East Bend, NC
 Corbett, James Ernest, Jr., SR, MED, 308 Horne St., Te2-7050, 905 Riverside, Elizabeth City, NC
 Corbett, Thomas Busbee, FR, MEA, 608 Garner Rd., Box 275, Em2-2882, Garner, NC
 Core, Mary June, FR, PV, 903 W. South St., Te2-3659, Rt. 2, Box 410, Wilmington, NC
 Corkern, Terrell Wayne, SO, PPT, 4th, Box 3122, Te2-9159, Rt. 3, Georgetown, SC
 Cornelius, Kenneth Earl, FR, CHE, Alexander, Box 4161, Te4-9746, Rt. 2, East Bend, NC
 Corning, Robert Crump, Jr., FR, ME, 47 Owen, Box 4581, Te2-9142, Rt. 1, Rockingham, NC
 Cornwell, James Howard, FR, ME, 210 Owen, Box 4467, Rt. 2, Murphy, NC
 *Correll, Kenneth White, SO, DN, 968 Wilmington Terrace, Halifax Cts., Raleigh, NC
 Corriher, Nelson Clark, SO, EE, 714 Bector, Box 3782, Te2-9372, Rt. 1, China Grove, NC
 Costandy, Nabil Tewfik
 Costas, Gus Thomas, SR, EE, 108 Fourth, Box 3118, Te2-9159, 313 1/2 E. Market, Greensboro, NC
 Costner, Larry Tom, JR, TX, 301 Bagwell, Box 3367, Te2-9131, Box 17, Casar, NC

Coston, Benjamin Maynard, FR, MAG, 116 Owen, Box 4411, Te2-9115, Rt. 1, Box 220, Hubert, NC
 Coston, Vernie Richard, SO, CEC, 4 Becton, Box 3806, Te2-9261, 119 E. Bayshore, Jacksonville, NC
 *Cottingham, Bromo Thomas Jr., SR, MEA, 104 Chamberlain St., Te4-6261, Raleigh, NC
 *Couchell, Gus Perry, FR, NE, 349 Tucker, Box 4776, Te2-9323, 512 Sunnyside Ave., Charlotte, NC
 Coulter, Homer P. Jr., JR, EE, 314 Owen, Box 4529, Te4-9836, 18 Watson Ave., Greenville, S. C.
 Coulter, Kenneth Raymond, Prof., IA, 507 Powell St., Maiden, NC
 *Courtwright, John Kenwood, SO, EE, Ho7-2524, c/o E. A. Heater, Carey, NC
 Coutouzis, William Emmanuel, SO, ME, 316 Tucker, Box 4788, Te4-9739, 2528 McNeill Circle, Fayetteville, NC
 *Couturier, George, JR, ME, Wilson's Trailer Court, Rt. 4, Raleigh, NC
 *Covington, Beenie Mell, JR, AED, Box 5462, State College Station, Rt. 1, Mebane, NC
 Covington, John Clayton, SR, PM, 228 Furches St., Te2-7474, 324 Jackson St., Roanoke Rapids, NC
 Cowan, Murray Robert, FR, CHE, 341 Owen, Box 4555, Te4-9300, 108-21 67 Ave., Forest Hills, NY
 *Coward, Bill Martin, SR, IE, 3806 Hillsboro, Te2-0601, 83 Starnes Ave., Asheville, NC
 Coward, William Reginald, SO, EE, 311 Alexander, Box 4174, Te2-9349, Box 322-A, Liberty, NC
 Cowardin, Robert Lewis, SO, ME, 48 Tucker, Box 4798, Te2-2186, 214 N. Torrence St., Charlotte, NC
 *Cox, Dallas Bruce, SR, TX, 21-H Vetville, Cordova, NC
 Cox, Donald Glenn, SR, ME, 119 Syme, Box 3519, Te2-9288, 1107 W. Lenoir, Kinston, NC
 Cox, Donald Nesbitt, SR, EE-EPY, 2242 Circle Dr., Te2-4968, Raleigh, NC
 Cox, George Everette, FR, AED, 17 Becton, Box 3819, Te2-9261, Jackson, NC
 Cox, Graham Samuel, SR, AI, 317 Bagwell, Box 3383, Te4-9151, Richlands, NC
 *Cox, James Allen, SR, IA, 107 E. Ransom St., Fuquay Springs, NC
 Cox, James Foster, SO, CE, 307 Syme, Box 3571, Te2-9222, Rt. 1, Goldsboro, NC
 Cox, John Edward, JR, UNC, 125 Hawthorne Rd., Te2-1183, Brevard, NC
 *Cox, John William, FR, FOR, 2220 Creston Rd., Te2-7245, Timberlake Rt. 34, Lynchburg, Va.
 *Cox, Lindsay W. Jr., SR, LA, 2102 A Smallwood Dr., Te4-0670, 713 W. 5th, Winston-Salem, NC
 Cox, William Frederic, SO, ME, 319 Jones St., Va8-2154, Grifton, NC
 *Cox, William Henry, Rt. 1, Hardin Rd., Cary, NC, 207 Peacock Ave., Lexington, NC
 *Crabtree, Bobby Wayne, SR, EE, 954 Wilmington Terrace, Te3-9058, Rt. 2, Box 140, Chapel Hill, NC
 Crabtree, Ralph Jackson, SO, FC, 128 Syme, Box 3528, Te2-9288, Rt. 1, Carthage, NC
 Craddouk, Dean Price, SO, ARC, 6 Maiden Lane, Te2-3493, 204 Hubbard St., Reidsville, NC
 *Craig, Charles Spurgeon, JR, CE, Apt. A, Glenwood Arms, Te3-5046, Raleigh, NC
 Craig, Margaret Louise, Tel. 340-W, So. Main St., Fuquay Springs, NC
 Crain, Jimmy Harold, JR, IRR, 319 Becton, Box 3787, Te2-9372, 1334 Abbot, Salinas, Calif.
 *Cranfill, Henry David, SO, EE, 2550 C Glenwood Ave., Te4-7792, Raleigh, NC
 *Cranford, Edgar Allen, SO, AG, 3111 Raymond St., Te2-4887, Raleigh, NC
 Cranford, Robert Council Jr., MEA, 204 Syme, Box 3536, Te2-9150, 401 Brooks, Raleigh, NC
 Cranor, Winifred H., 2718 Bedford Ave., Raleigh, NC
 *Craver, Billy Hoyle, SR, CEC, 1508 Frank St., Te3-2474, Rt. 8, Lexington, NC
 Crawford, Clifford Rankin Jr., SR, TX, 3414 Hillsboro, Te3-4808, 1204 Virginia, Kinston, NC
 *Crawford, Frank Alderman, GR, ED, UK 36 Vetville, Te2-9282, Chadbourn, NC
 Crawford, William George Jr., FR, IE, 122 Alexander, Box 4117, Te2-9257, 1503 Evergreen Ave., Goldsboro, NC
 Crawley, James Rodwell, SO, EE, 128 Turlington, Box 4335, Te4-9279, 346 E. 18th St., Jacksonville 6, Fla.
 Crawley, William Charles, FR, IA, 1700 Fairview Rd., Te2-0407, Raleigh, NC
 Crayford, Forrest James Jr., SO, CE, 101 Bagwell, Box 3301, Te4-9219, 26 S. W. 14th St., Miami 32, Fla.
 Creazzo, Joseph, SR, FMM, 316 Alexander, Box 4179, Te2-9394, 50-7th Ave, Sea Cliff, NY
 *Credle, Oliver Paul, FR, EE, 307 W. Morgan St., Raleigh, NC
 Crech, Robert Jones, FR, CE, 204 Alexander, Box 4136, Te4-9746, Green St., Selma, NC
 *Creed, Hugh Malek, JR, CE, 35 E. Vetville, Rt. 3, Mt. Airy, NC
 Creed, Jack Walters, FR, EE, 130 Owen, Box 4425, Te2-9437, 104 River St., Boone, NC
 Creed, Wilbur Ray, SO, EE, 21 Syme, Box 3617, Te9-8241, 9355 W. Broad St., Southern Pines, NC
 Creekmore, James Harvey Jr., JR, IRR, 6 Berry, Box 4339, Te2-9350, 1819 Nash St., Wilson, NC
 Creighton, William Roy, FR, CHE, 3107 Raymang St., Te2-4507, Raleigh, NC
 Cribb, James Melvin, FR, PPT, 319 Turlington, Box 4281, Te2-9192, Rt. 3, Box 125-A, Hemingway, SC
 Criner, Sherman Louis, JR, EE, 102 Bagwell, Box 3302, Te4-9219, 312 N. W. Blvd., Winston-Salem, NC
 *Crisco, Carl Jr., GR, CH, 111 N. Boylan Ave., Te2-0023, 804 Wise St., High Point, NC
 *Crisp, Helen Eyster, 2700 Rosedale, Raleigh, NC
 Crockett, Richard Horace, Jr., SO, CHE, 111 Turlington, Box 4208, Te4-9279, M.O.Q. 2220, Camp Lejeune, NC
 Crockford, William Morrison, SO, ME, 313 Berry, Box 4333, Te2-9363, 1301 Aylesford Rd., Charlotte, NC
 Croft, Frank Wilfred, JR, IE, 2513 Clark Ave., Box 5656, Te2-0268, Martcom, Glenview NAS, Ill.
 Cronin, Raymond Joseph, SO, MEA, 205 Syme, Box 3537, Te2-9150, 1600 Medford Dr., Charlotte, NC
 *Crook, John Marvin, FR, NE, 208 Harrington St., Te2-8536, Box 263, Enka, NC
 Crook, Niley Bynum, SR, NE, 211 Berry, Box 4318, Te2-9363, 22 Henrietta, Asheville, NC
 Croom, Bobby Harold, SO, MEA, 2701 Clarke Ave., Te2-7706, Rt. 4, Zebulon, NC
 Croom, Clyde Edward, FR, AGR, Knightdale, NC
 Croom, Marion Robert, FR, EE, 702 Dixie Trail, Te2-7051, Raleigh, NC
 Croom, Richard Dallas, JR, EE, 50 Tucker, Box 4800, Te2-9186, 220 Woodcrest Rd., Fayetteville, NC
 Crosby, Roddie Lee, SO, ME, 2270 Circle Dr., Te2-1369, Raleigh, NC
 Cross, Dann Slayden, JR, CHE, 10 Enterprise, Te3-6511, 209 Pigeon St., Waynesville, NC
 Crotts, Carl Benson, FR, TX, 331 Owen, Box 4546, Te4-9300, Rt. 2, Box 155, Trinity, NC
 *Crouch, Daniel Gay, JR, EE, 807 Daniels, Te2-6536, Raleigh, NC
 Crouch, Olin Kent, SO, ME, 3 Berry, Box 4336, Te4-1852, 19 Bradford St., Charleston, W. Va.
 *Crouse, Vernard Ray, SO, ME, 1612 Oberlin Rd., Te2-7647, Raleigh, NC
 Crow, Johnny Lee, UNC, GS, 20 Fourth, Box 3119, Te2-9159, Box 545, Lincolnton, NC
 Crowder, James Uriah, SO, ME, 217 Owen, Box 4472, Te2-9410, 34 Highland, Asheville, NC
 *Crowe, Jimmie Lee, JR, HRT, 203 Chamberlain St., Box 5613, Te3-4181, Box 8, Beaufort, NC
 Crowell, Clyde Oren, SR, IATO, 206 Welch, Box 3254, Te2-9119, 315 N. Main, Roxboro, NC
 Crowell, Joseph Spottswood, FR, NE, 307 Berry, Box 4327, Te2-9363, Box 117, Enka, NC
 *Crowley, John, SO, IRR, Rt. 7, Te3-5164, Raleigh, NC

Crowley, Robert Newton, SR, CHE, Apt. O, Glenwood Gardens, 508 S. 3rd, Wilmington, NC
 Crump, Gwyn Norman, JR, EE, 1526 Glenwood Ave., Te2-8567, 2127 5th Ave., N. W. Hickory, NC
 *Crump, Kelly R., SO, EE, 1510 Simpkins St., Te3-7680, Rt. 4, Box 182, Lenoir, NC
 Crumpler, Alton Braxton, SO, GEE, 254 Owen, Te4-9300, Rt. 2, Goldsboro, NC
 *Crumpler, Imogene F., UNC, ED, 1943 Bernard St., Te3-9096, Raleigh, NC
 *Cruze, Robert Dwight, FR, IRR, Rt. 5, Buffalo Rd., Te2-0615, Raleigh, NC
 Cudd, Roy Harold, JR, TX, 2713 Everett Ave., Te2-4134, Rt. 5, Box 226, Kannapolis, NC
 *Cude, Edwin Stanton, SO, CE, 260 Owen, Box 4511, 1801 Club Rd., Charlotte, NC
 Culberson, Samuel Franklin, SO, CHE, 312 Syme, Box 3567, Te2-9222, Rt. 1, Box 303, Silver City, NC
 Culbreth, John Kenneth, SO, TX, 107 Tucker, Box 4620, Te2-9388, 545 Green, Woodruff, SC
 Culbreth, John Robert, FK, EE, 122 Turlington, Box 4219, 1007 Brook St., Fayetteville, NC
 *Culbreth, Thomas Daniel, SR, MTE, 1808 Arlington St., 413 So. 6th, Wilmington, NC
 Culbreth, William, Kemp, SO, ME, 361 Owen, Box 4572, Te4-9836, Rt. 4, Lumberton, NC
 Culler, Josie Ellen, SO, NE, 200 Woodburn Rd., Te2-4710, Rt. 1, Box 168, Zionville, NC
 Culler, Richard Broadus, FR, E, 324 Turlington, Box 4286, Te2-9192, 416 Hillcrest, High Point, NC
 Cullinan, James Thomas, Jr., JR, IE, 150 Tucker, Box 4857, Te2-9388, Box 94, Chesterfield, SC
 Cullipher, Louis Edwin, SR, S, 223 Alexander, Box 4152, Te4-9746, Knotts Island, NC
 Cullis, Robert Nicholas, JR, EE, 158 Tucker, Box 4665, Te2-7388, Box 759, Southport, NC
 Cullom, Finn Bowen, SO, EE, 153 Tucker, Box 4660, Te2-9367, 910 Anderson, Wilson, NC
 Cullom, Fredrick Autry, SO, ME, 310 Owen, Box 4527, Te4-9835, 335 Williams St., Roanoke Rapids, NC
 Culp, Ronald Kendall, SO, ME, 133 Alexander, Box 4127, Te2-9257, Box 775, Badin, NC
 Cumming, William Francis, FR, ARC, 305 Bagwell, Box 3371, Te4-9151, 312 Suffolk Ave., Colonial Heights, Va.
 Curlee, Everett Berry, SR, CEC, 719 Chamberlain, Apt. E, Rt. 4, Matthews, NC
 Curlin, Robert Lester, JR, IE, 2314 Hillsboro, Te3-4106, 406 Park Ave., Wilson, NC
 Currie, James Richard, FR, ME, 338 Owen, Box 4552, Te4-9836, 121 C. Larchmount Acres, Larchmount, NY
 *Currie, Thomas D., SO, EE, 402 Avers St., Te4-3149, Raleigh, NC
 Curtin, Thomas Paul, JR, CHE, 11 Enterprise St., Te2-5449, 9 Adams St., Ft. Bragg, NC
 *Curtis, Roy David, FR, ME, 216 E. Jones, Te3-0087, Raleigh, NC
 *Cushman, Robert M., JR, TX, 2508½ Vanderbilt St., Te2-6645, 190 N. Valley Rd., Southern Pines, NC
 Cutler, Carl, FR, DN, 6 Berry, Box 4341, Te2-9350, 1228 Damlico Dr., Greensboro, NC
 Cutler, Ernest Harding, FR, AGE, 103 Syme, Box 3503, Te2-9288, Rt. 1, Blounts Creek, NC
 Cutts, Charles Kenneth, JR., TX, Alexander, Box 4119, Tw2-9257, Stovall, NC
 Cybrynski, Robert Carl, JR, IA, 301 Berry, Box 4321, Te2-9572, 506 Chancery, Greensboro, NC

Daabis, Galal Abdeuiamid, GR, TX, 817 Rosemont Ave., Box 5140, Te3-4169, 817 Rosemont Ave., Raleigh, NC
 Dahle, Robert David, GR, AGC, 635-B Daniels St., Te4-6505, 635-B Daniels, St., Raleigh, NC
 Dail, James Elmer, SR, ME, 2226 Hillsboro, Te4-4137, 709 W. 3rd St., Siler City, NC
 Dalal, Dhimant Sunderlal, UN, TC, 104 Gold, Box 5797, Te2-9263, Munchharam Building, B-Block, 1st Floor, Sardar Patel Rd., Bombay 4, India
 *Dalby, James Frederick, GR, AMA, 2503 Wake Dr., Te4-8655, Oceana, Va.
 *Dale, Douglas Keith, GR, EST, Alumni Bldg., 208, 32 Java St., Ottawa, Canada
 Dale, Jan Keith, FR, CE, 111 Turl., Box 4208, Te4-9297, Rt. 1, Box 321, Sneads Ferry, NC
 Dalton, John Covington, 1 Berry, Box 4334, Te2-9350, 402 W. Kivett St., Asheboro, NC
 *Daniel, Donald Ray, WCM, 500 Wilm. Terr., Raleigh, NC
 *Daniel, Harry Taylor, GR, AGC, Va8-2067, 5207 Melbourne Rd., Raleigh, NC
 Daniel, James Russell Jr., FR, EE, Te4-8145, Rt. 5, Raleigh, NC
 *Daniels, Charles Edgar, SO, CHE, 5409 Center St., Raleigh, NC
 Daniels, John Hall, SR, AH, 2600½ Mayview, Rd., Te3-7554, Rt. 1, Wilson, NC
 Daniels, Lowry A., Jr., FR, NE, 312 Becton, Box 3780, Te2-9372, Driver, Va.
 Daniels, Phillip William, SO, HAC, 17 Syme, Box 3613, Te2-9421, 1202 W. Vernon Ave., Kinston, NC
 Daniels, Vernon James Jr., FR, CE, 129 Tucker, Box 4640, Te2-9388, Arapahoe, NC
 *Daniels, William Henry, SO, MEA, 114 Watauga, Box 3014, Te2-9447, P.O. Box 827, Ft. Bragg, NC
 Daniels, William Lee Jr., JR, EE, 2729 Everett Ave., Te2-1229, Rt. 1, Erwin Rd., Durham, NC
 Dantonio, James Ronald, FR, IA, 317 Turl., Te2-9192, 2767 Carmil St., Aliouippa, Pa.
 Darracott, William Locas, FR, EE, 232, Owen, Te2-9410, 29th St. N., Myrtle Beach, SC
 Daskal, John Harry, SR, IRR, 210 Bagwell, Box 3333, Te2-9131, 225 Nimocks Ave., Fayetteville, NC
 Daughety, Richard Weaver, SO, PPT, 215 Alex., Box 4144, Te4-9546, 524 Weaver Ave., Lexington, NC
 Daughety, William Floyd, FR, FOR, 24 Syme, Box 3620, Te2-9421, 524 Weaver Dr., Lexington, NC
 Daughtridge, George Edward, SO, ME, 125 Bagwell, Box 3325, Te4-9219, Rt. 4, Rocky Mount, NC
 Daughtridge, Jimmy Truman, SR, MEA, 21 Becton, Box 3822, Te2-9261, Rt. 4, Box 726, Rocky Mount, NC
 *Daughtry, Betty Brown, JR, NE, Apt. Q, Glenwood Arms, Box 5274, Te4-8332, Register, Ga.
 *Daughtry, Gerald Blaxton, JR, CE, 9 Stadium, Box 4354, Te4-9803, 1309 E. Walnut, Goldsboro, NC
 *Daughtry, James William, GR, NE, Apt. Q, Glenwood Arms, Box 5274, Te4-8332, Register, Ga.
 Daughtry, Jimmie Solomon, SO, NE, 210 Owen, Box 4467, Te2-9410, Rt. 2, Smithfield, NC
 Daughtry, Mirion, Not in residence
 *Daulton, Robert Alexander Campbell, GR, PD, State College Station Box 5397, P.O. Box 1909, Salisbury, NC
 *Davenport, Carlton Alderman Jr., SR, CE, 2426 Greenway Terr., Te3-8218, Front St., Hertford, NC
 Davenport, Cedric Miller Jr., SO, CE, 2701 Clark, Te2-7756, Rt. 2, Box 49, Roper, NC
 Davenport, Charles Norman, SO, EE, 106 Becton, Box 3706, Creswell, NC
 David, Joseph Parker, Jr., FR, ME, 227 Owen, Box 4482, Te2-9410, Box 56, Middlesex, NC
 *Davide, Jorge G., GR, SOI, 112 Ashe Ave., Colawin Argao, Cebu, Philippines
 *Davidson, Elmer Hayes, SO, PPT, 8½ Rosemary St., Te2-9665, Rt. 1, Tyner, NC
 *Davidson, Jean Dolores, GR, OIG, 8½ Rosemary St., Te2-9665, P.O. Box 717, Greenville, NC
 Davis, Alford Ray, GR, AGE, State College YMCA, Box 5276, Pickerville, NC
 Davis, Aubrey Thomas, JR, CHE, 308 Horne St., Te2-7050, P. O. Box 217, Hertford, NC
 Davis, Billy Bryson, SR, CE, 330 Owen, Box 4545, Te4-9300, Rt. 1, Sylva, NC
 Davis, Carlton Earl, 2718 Clark, Te3-4545, Rt. 1, Box 231, Goldsboro, NC
 *Davis, Carmel Love Jr., SO, IE, 2735 Rosedale Ave., Raleigh, NC, Te3-4862
 Davis, Charles Alfred, FR, CHE, 351 Owen, Box 4562, Te4-9836, Rt. 1, Box 39, Brevard, NC

Davis, Charles Edward Jr., SO, CEC, 137 Tucker, Box 4620, Te2-9367, Rt. 7, Box 638, Charlotte, NC
 *Davis, Charles Spencer Jr., SR, CEC, 436 Wayne Dr., Te4-4673, Rt. 1, Huntersville, NC
 Davis, Clyde Wilso, SO, CE, 116 Turl, Box 4213, Te4-9279, Rt. 1, Pantego, NC
 Davis, Daniel Shaw Jr., SO, IE, 101 Oberlin Rd., Apt. 3, Box 5042, Te2-9531, Thompson St., Monroe, NC
 *Davis, Don Maynard, JR, PSC, 1510 Simpkins St., Te4-3729, Rt. 1, Blacksburg, SC
 Davis, Donald, JR, AGE, 116 Hawthorne, Rt. 1, Box 115, High Point, NC
 Davis, Edgar Felton, SR, AI, 4700 Hillsboro, Te2-9503, Rt. 1, Box 231, Goldsboro, NC
 Davis, Floyd Mitchell, JR, TX, 920 Marilyn Dr., Te4-4762, 920 Marilyn Dr., Raleigh, NC
 Davis, Frank Payne, FR, EE, 308 Owen, Box 4526, Te4-9300, 716 Lockland, Winston-Salem, NC
 *Davis, Fred Mac, SO, CE, 21-E Vetville, Rt. 1, Franklinville, NC
 *Davis, Herman, 2421 Wesley Rd., Raleigh, NC
 *Davis, Ingeborg M. Halbeck, GR, PY, 2610 Van Dyke Ave., Raleigh, NC, Te2-7472
 Davis, James L'Roy, FR, MEA, 1704 Dare St., Raleigh, NC, Te2-2805
 Davis, James Minor Jr., 21 Becton, Box 3822, Te2-9261, 216 Howell, Rocky Mount, NC
 Davis, Joe Eric, FR, EE, 133 Tucker, Box 4644, Te2-9388, Rt. 7, Box 638, Charlotte, NC
 Davis, John Charles, FR, MEA, 530 N. Blount St., Te2-4897, 2200 Pinecroft Rd., Greensboro, NC
 Davis, John Ray, SO, AGE, 219 Turl, Box 4247, Te2-9297, Rt. 2, Vass, NC
 Davis, Max Ray, SO, CHE, 112 Owen, Box 4408, Te2-9437, Rt. 3, Forest City, NC
 *Davis, Moses Paul, SR, CRE, 309 Chamberlain St., Te4-3210, 101-A Weatherspoon, Sanford, NC
 Davis, Osborne Clark, SR, ME, 102 Welch, Box 3238, Te2-9119, P.O. Box 98, Davis, NC
 Davis, Ralph Tazwell Jr., FR, FOR, 317 Owen, Box 4532, Te4-9300, 68 N. Spruce, Asheville, NC
 *Davis, Reeves Ketner, SR, IE, 5-F Vetville, Rt. 3, Candler, NC
 *Davis, Richard Benny, SR, MEA, 1509 St. Mary's St., Raleigh, NC, Te4-6844
 Davis, Robert B., FR, CE, 232 Tucker, Box 4729, Te2-9387, 1144 N. Road St., Elizabeth City, NC
 Davis, Robert Dabney, FR, ME, 329 Tucker, Box 4760, Te4-9739, 419 Carolina Circle, Winston-Salem, NC
 Davis, Robert Ernest Jr., TX, 1508 Hillsboro, Te2-6153, 202 Sheppard, Thomasville, NC
 Davis, Robert Franklin, SO, RS, 103 Syme, Te2-9288, Rt. 4, Shelby, NC
 Davis, Robert Lee, 1720 Hillsboro, 1011 Richard St., Salisbury, NC
 Davis, Robert McDonald, SO, EE, 208 Fourth, Box 3126, Te2-9159, 216 Live Oak St., Beaufort, NC
 Davis, Thomas Barry, SO, CEC, 133 Tucker, Box 4644, Te2-9367, Rt. 7, Box 638, Charlotte, NC
 Davis, Thomas Paul, JR, FOM, 117 Turl, Box 4214, Te4-9279, Rt. 2, Box 409, Shelby, NC
 Davis, Thomas Satrit, GR, ME, 112 Harrison Ave., Box 158, Cliftside, NC
 *Davis, Thomas Willis, JR, IE, Wilson Trailer Ct., Rt. 4, Raleigh, NC, Te4-5070, 909 Front, Beaufort, NC
 Davis, Thomas Woodrow, 209 Avon Dr., Raleigh, NC
 Davis, Warren Gregory, JR, IE, 409 Chamberlin, 512 Northern Blvd., Wilmington, NC
 *Davis, Wilford Lavern, GR, EST, 1618 Hillsboro, 1025 Penn St., St. Joseph, Missouri
 *Davis, William Hatch, UK-34 Vetville, Rt. 1, Coalville, Utah
 Davis, Wordell Johnson Jr., SO, CHE, 16 Stadium, Box 4361, Te4-9803, Rt. 6, Box 325, Kinston, NC
 *Davisle, Paula Santos, UN, DM, 122 Ashe Ave., 39 Lusket St., Quezon City, Philippines
 *Davison, Alexander Thayer, GR, UN, Duke School of Forestry, Durham, NC, 3004 Norwichway, Durham, NC
 Dawkins, Donald Martin, SO, ME, 165 Owen, Box 4456, Te2-9115, P.O. Box 382, Rockingham, NC
 *Dawkin, James Mitchell, JR, CE, 5408½ Hillsboro, Te4-8177, 5408½ Hillsboro St., Raleigh, NC
 Dawkins, William Lester, FR, EE, 147 Tucker, Box 4654, Te2-9388, 205 E. Farriss, High Point, NC
 Dawson, Cleburn G., GR, AGE, Tel. 9584, Rt. 1, Dover, NC
 Dawson, John Robert, Jr., JR, EPY, 2702 Hillsboro, Te4-1835, 58 Greenbriar, Hampton, Va.
 *Day, Claude Parker Jr., 4201 Reavis R., Raleigh, NC, Te4-5898
 *De, Anima, Dept. of Modern Lang., 219½ Forest Road, Raleigh, NC
 *Deal, Hubert Jr., JR, CE, Box 5143 State College Sta., Rt. 3, Marshall, NC
 Deal, James Francis III, SO, CHE, 225 Bagwell, Box 3357, Te2-9131, P.O. Box 16, Landis, NC
 *Dean, Charles Edgar, GR, PhD-FC, 210½ Groverland Ave., Box 5652, P.O. Box 37, Monticello, Fla.
 Dean, Leonard Franklin, JR, EE, 101 Tucker, Box 4617, Te4-3488, Rt. 3, Oxford, NC
 Dean, William Bruce, FR, ARC, 1226 Banbury Rd., Raleigh, NC, Te4-1802
 *Dean, William D., 406½ Morrison Ave., Rt. 4, Louisburg, NC
 DeAngelis, Aunedeo Richard, Jr., SR, IRR, Owen, Box 4516, 412 Schuylkill Ave., Reading, Pa.
 Deans, Bobby Drake, SR, TX, 2514 Clark, Box 5665, Te3-4522, 1725 Hammond St., Rocky Mount, NC
 Deans, Stanley Roderick, SO, CHE, 3008 Ruffin St., Rt. 5, Goldsboro, NC
 DeArmon, Benjamin Theodore, FR, IE, 223 Becton, Box 3757, Te2-9334, 1721 DeArmon Dr., Charlotte, NC
 Deaton, Bobby Bernard, FR, PPT, 208 Tucker, Box 4681, Te2-9387, 101 York St., Morganton, NC
 Deaton, Willis Robert, JR, CE, 115 Hawthorne, P.O. Box 186, Cornelius, NC
 Deaver, Pete Graham, SR, CE, 305 Fourth, Box 3131, Te2-9159, Deer Run, NC
 *DeBrow, Charles Lacey, SO, ME, 13 Bagwell Ave.,
 DeBrow, James Carl, SO, AG, 328 Owen, Box 4543, Te4-9300, Rt. 3, Shelby, NC
 Debruhl, Joseph Martin, SO, CE, 213 Alex., Box 4142, Te4-9746, 1408 Catalpa, Goldsboro, NC
 Decker, David Richard, FR, ME, 230 Alex., Box 4159, Te4-9768, 2362 Elizabeth, Winston-Salem, NC
 *De Coste, John Harrison, SR, FOM, 23-E Vetville, Te4-8888, 135 W. Oak St., Basking Ridge, NJ
 De Coste, Richard Louis, JR, ARC, 208 Chamberlain, 135 W. Oak St., Basking Ridge, NJ
 De Cowsey, John Barclay, SR, IA-TO, 228 Tucker, Box 4699, Te2-9387, 1205 Greenwood Cliff, Charlotte, NC
 De Diego, Olmedo Aurelio, Jr., SR, NE, 50 Tucker, Box 4800, Te2-9186, Box 313, Mt. Pleasant, NC
 Dee, Dgwey Daniel, FR, TX, 325 Turl, Box 4287, 422 Manga, Manila, Philippines
 *Deely, Brian Mahon Jr., JR, EE, B-5 Raleigh Apts., Raleigh, NC, Te2-2651
 Deitz, Paul Lewis, SO, EE, 54 Tucker, Box 4804, Te2-9186, 228 1st St., SE, Hickory, NC
 Delionback, Christian Foy, FR, EE, 3400 Ruffin St., Te2-4296, 323 Clark St., Durham, NC
 Dellinger, Jack David SR, MED, 101 Watauga, Box 3001, Te2-9447, Rt. 1, Bakersville, NC
 Dellinger, William Martin, SO, ME, 222 Owen, Box 4477, Te2-9831, 4218 Blackwood, Charlotte, NC
 Dellinsler, Cecil McClellan Jr., FR, CE, 126 Syme, Box 3526, Te2-9288, Rt. 1, Stanley, NC
 Delnegro, Michail Edw., JR, REC, 325 Owen, Box 4540, Te4-9300, 1706-A Commonwealth, Alexandria, Va.
 *DeMarra, John Robert, SR, IE, 2514 Country Club Ct., Raleigh, NC, Te4-6986
 Dement, Denis Patrick, FR, AG, Rt. 5, Raleigh, NC, Co6-3357
 Demilt, Elwin Stacy, 207 Harrison Ave., Cary, NC, Ho2-4161
 *Denise, Warren Paul, JR, NE, 304 Oakwood Ave., Apt. 4, Raleigh, NC

*Denmark, Florence Virginia, UN, GS, 340 1911 Bldg., Ext. 312, 2210 St. Mary's St., Raleigh, NC
Denning, Bobby Roy, SO, EE, Rt. 1, Benson, NC
*Dennis, Avery Jake, SR, ABC, 6 Dixie Trail, 404 E. Noble St., Louisburg, NC
*Dennis, Lee Jackson, SR, ZOO, Apt. 31-B Vetville, Raleigh, NC
Dennis, Walton Stone Jr., 1325 Mayfair Rd., Raleigh, NC, Te4-0447
Dennis, William Lawrence, FR, MEA, 49 Owen, Box 4583, Te2-9142, 207 E. Brown St., Randleman, NC
Denson, Alexander Bunn, SR, HAC, 333 Beeton, Box 3801, Te2-972, P.O. Box 246, Whitakers, NC
*Denton, Allan Burrell, SP-AG, HRT, Rt. 2, Raleigh, NC, Te2-2166
Denton, Donald Lee, SR, EE, 2702 Hillsboro, Te2-1835, Anderson, Morganton, NC
Denton, Harold Rav, SR, NE, 27 Beeton, Box 3826, Te2-9261, 714 S. Franklin, Rocky Mount, NC
*DePoe, Charles Edward, GR, BI, UK-2 Vetville, Te2-9303, Southampton, NY
*De Rajendra Kumar, GR, ENT, Gardner Hall, Box 5215, 210 1/2 Forest Rd., Raleigh, NC
*Derbyshire, Stephen Wallace, Riddick Annex 347, 3600 Harris Rd., Raleigh, NC
Dess, Darrell Charles, SR, IRR, 201 Bagwell, Box 3333, Te2-9131, 109 Knox Ave., New Castle, Pa.
Dew, Harold Powell, SO, TX, 117 Watauga, Box 3017, Te2-9447, Rt. 2, Raeford, NC
Dew, Paul E., Not in residence
*Dezl, Billy Eugene, SR, IE, 10-H Vetville, 317 S. College Ave., Newton, NC
Dick, William Edwin Jr., SR, ABC, 2718 Clark, Te2-6451, P.O. Box 6, Afton, Va.
*Dickens, Clyde Phillip, JR, AGC, Rt. 1, Varina, NC, 290J2
Dieken, Jarvis Gray, FR, EE, 52 Owen, Box 4586, Te2-9142, P.O. Box 691, Black Mountain, NC
*Dickens, Robert Maynard, FR, CHE, 3004 Ruffin St., Te2-8444, Box 691, Black Mountain, NC
Dickens, Vernon Philmur Jr., FR, ME, 303 Beeton, Box 3771, Te2-9372, 322 George St., Rocky Mount, NC
*Dickerson, Bryson Talmon, JR, TX, 2713 A Clark Ave., 102 Grace St., Oxford, NC
*Dickox, Jerry Bland, SR, GEE, 227 Elm St., Rt. 3, Burlington, NC
*Dickson, Robert Waldo, SO, CEC, 3039 Lewis Farm Rd., Raleigh, NC
Dickinson, William Constantine, FR, ME, 315 Perry, Raleigh, NC, Te4-6349
*Dickson, Paul W. Jr., GR, NE, 1433 Beaver Dam Rd., Te2-7248, 3750 S. Lundy Ave., Tucson, Arizona
*Dill, Charles William, GR, DM, 1212 College Place, Te4-7801, Rt. 1, Toglors, SC
Dillard, David Humphery, JR, SR, PPT, 358 Owen, Box 4569, Te4-9836, P.O. Box 184, Sylva, NC
*Dilley, David Ross, GR, PPH, 1109 Brooks Ave., Te2-111, Lacota, Michigan
Dille, George William, SR, AI, 2334 Bernard St., Raleigh, NC, Te2-4027
*Dillingham, Bobby Howard, JR, EE, Rt. 6, Raleigh, Te3-9645, P.O. Box 46, Cliffside, NC
Dillon, Lloyd Collision Jr., JR, MEA, 1508 Hillsboro, P.O. Box 90, Thomasville, NC
Dilis, Kenneth M., AEC, Box 5658, Rt. 5, Franklin, NC
Dinnes, William Donald, FR, CHE, 260 Tucker, Box 4727, Te2-9387, Rt. 3, Box 237, Franklin, NC
Distefano, Robert Vincent, FR, IA, 327 Bagwell, Te9151, 215 E. Cheltenham Ave., Philadelphia 24, Pa.
Dixon, Charles Royce, SR, ME, 222 Bagwell, Box 3334, Te2-9131, Rt. 2, Siler City, NC
Dixon, Joseph Evans, JR, HRT, 167 Owen, Box 4457, Te2-91195, Maple Hill, NC
*Dixon, Larry Mitchell, JR, REC, 414 1/2 Chamberlain, Te2-7964, Rt. 3, Washington, NC
*Dixon, Richard Vaughan, FR, ME, 3409 White Oak Rd., Raleigh, NC, Te2-6648
Dixon, Rodney McSwain, JR, CRE, 222 Beeton, Box 3756, Te2-9334, 510 Queens Ct., Statesville, NC
Doar, Bachman, SR, CEC, 1710 Hillsboro, Te4-2001, 1710 Hillsboro, Raleigh, NC
*Dobie, Mary Vernita, 2110 Pine Dr., Raleigh, NC
Dohy, Troy Alvin, SR, FMM, 137 Owen, Box 4431, Te2-9115, 113 1/2 Bethel St., Morganton, NC
*Dohy, Troy Alvin, GR, CE, 3040 Farrior Rd., Te2-8659, 111 S. East Ave., Kannapolis, NC
*Dohy, William Pinckney, SR, CHE, 415 S. Boylan Ave., Te2-6554, 111 S. East Ave., Kannapolis, NC
*Dobyns, Richard Alligon Jr., JR, EE, 2335 Grant Ave., Te2-5993, 2335 Grant Ave., Raleigh, NC
Dodehoff, Martin Hilsman, SO, TX, 1501 Brenehan St., Te4-9271, 15 Sirrine Dr., Greenville, SC
*Dodge, Oliver Cromwell, JR, FOM, 1213 Dixie Trail, Te4-7564, 2816 Lewiston Rd., Niagara Falls, NY
*Dodson, Henry Wiseman Jr., JR, EE, 123 1/2 Brooks Ave., Raleigh, NC
Doggett, Coleman Anderson, SO, FOM, 229 Tucker, Box 4700, Te2-9387, Rt. 4, Shelby, NC
Doggett, William Tate, FR, ARC, 49 Tucker, Box 4799, Te2-9186, 908 N. Rotary Dr., High Point, NC
Donahoe, Ernest Noland, Jr., JR, CE, 1620 Hillsboro, Box 5042, Te2-9531, 915 Brompton, Fredericksburg, Va.
Donalison, Joe Kelly, FR, CE, 203 Beeton, Box 3737, Te2-9334, P.O. Box 25, Mt. Mourne, NC
Donegan, Al, SR, FOR, 210 N. Harrington, Te2-8541, Buckingham, Va.
*Donoho, Clive W. Jr., GR, HRT, UK-23 Vetville, Te4-6564, Portland, Tenn.
Donohue, Raymond Joseph, GR, RS, 208 Academy, Aboskie, NC
*Dooley, Milton T., JR, EE, 919 N. Blount St., Te2-2995, 602 Barner Ave., Winston-Salem, NC
*Dorman, Jerry Crandel, JR, AGE, Rt. 7, Raleigh, NC, Te4-7003
Dorfman, Robert Allen, SR, CEC, 274 S. Main, Nanuet, NY
Doshier, Richard W. SR, IAM, 2396 Fairview Rd., Te2-8827, 2366 Fairview Rd., Raleigh, NC
Doshi, Sureshkumar Bapalal, GR, CHE, 307 Gold, Box 3291, Te2-9263, 199B, Gujarat Society, Sion Rd., Bombay 22, India
Doss, Michael Wayne, SO, CE, 205 Alex., Box 4137, Te4-9746, 4514 Ranegar St., Winston-Salem, NC
Foun, Joseph Donald, FR, MEA, 2109 Hope St., Box 2209, Te4-3244, Pfafftown, NC
*Dough, Robert Lyle, GR, EPY, 1425 Beaver Dam Dr., Te2-4674, Manteo, NC
*Dough, Walter Allen, FR, ME, 304 Syme, Box 3568, Te2-9222, P.O. Box 253, Manteo, NC
*Dover, Felix Hill, SR, TX, 106 1/2 Logan Ct., Raleigh, NC
*Doud, Orron Edwards Jr., SR, GEE, Apt. E, Glenwood Arms, Raleigh, NC, Te2-0043
Dowdy, Robert Lee, FR, E, 235 Owen, Box 4489, Te2-9419, General Delivery, Tarawa Terrace, NC
*Dowell, William Burton Jr., SR, EE, 1508 Frank St., College View Pk., Te4-0623, 1614 Park Dr., Raleigh, NC
*Downing, Joseph Edward, GR, AGE, 462-W-1 Fuquay, Ripling, NC
Downs, Richard Stanley, SO, EE, 52 Tucker, Box 4892, Te2-9156, 1143 Miller St., Winston-Salem, NC
Dozier, Arthur Lee, JR, ARC, 3367 Hall Place, Te2-4250, 3367 Hall Place, Raleigh, NC
*Dozier, Ebb Newton, JR, HAC, 28-B Vetville, Te3-8865, 613 Hillcrest Ave., Gastonia, NC
Dozier, Gary Franklin, JR, FOR, 18 Dixie Dr., Raleigh, NC, Te2-4209
*Dozier, William Corbin Jr., ARC, 407 Stacy St., Te2-3418, Hertford, NC
Drake, Everett Coleman, SO, TX, 112 Bagwell, Box 3312, Te4-9219, 11 Hawkins Ave., Baldwin, NY
Drake, William Carl, SO, CHE, 110 Welch, Box 3246, Te2-9119, 1414-A Spartanburg Rd., Hendersonville, NC

Draughn, Robert A., SO, ME, 117 Alex., Box 4114, Te2-9257, 911 Park Ave., Wilson, NC
 Drexler, Richard John, FR, IA, 265 Owen, Box 4516, Te2-9410, 29 Birch, Reading, Pa.
 Drinkard, William Francis, SR, CHE, 115 Watauga, Box 3015, Te2-9447, 2008 Club Rd., Charlotte, NC
 Driscoll, Ernest Paul, JR, IRR, 149 Tucker, Box 4656, 1700 Fairlee St., Pgh. 12, Pa.
 Drogo, John Henry, GR, AGC, Apt. 4, Ash Ave., Seneca, Kansas
 Drum, Gerald Thomas, SO, CEC, 212 Owen, Box 4468, Te2-9410, 207 Contentnea St., Greenville, NC
 Drum, Ted Clement, Jr., SO, PSC, 205 Alex., Box 4139, Te2-9746, 861 2nd St. NE, Hickory, NC
 Dry, Victor Finley, SR, EE, 245 Tucker, Box 4713, Te2-9387, 429 Montgomery Rue, Albemarle, NC
 DuBois, Joseph Addison, JR, ME, 115 Hawthorne Rd., 1505 Shackelford, Morehead, NC
 *DuBose, William Perry III, GR, ENT, 607-B Woodburn Rd., Raleigh, NC, Te3-0228
 *Duckworth, Walter Donald, GR, ENT, 2138 Mayview Rd., Raleigh, NC
 Dudley, John Willard, FR, ME, 325 Syme, Box 3589, Te2-9222, Swansboro, NC
 *Dugger, Arley Johnny, SR, MED, 101 Watauga, Box 3001, Te2-9447, 1062 Winslow, Fayetteville, NC
 Duke, Carlton Walker, Jr., 145 Owen, Box 4437, Te2-9437, Box 281, Norlina, NC
 Duke, Richard Talliver, SO, ME, 216 Bagwell, Box 3348, Te2-9131, Rt. 3, Sanford, NC
 Duke, William Oris, SO, ABC, 307 Perry St., Te2-7169, 307 Perry St., Raleigh, NC
 Dulin, John Walter, SO, ARC, 2713 Vanderbuilt Ave., 509 Ann St., Rockingham, NC
 Dunbar, Henry Thomas, FR, AG, 308 Syme, Box 3572, Te2-9222, Rt. 1, Box 161, Goldsboro, NC
 Duncan, Cecil Lloyd, SO, ME, 103 Becton, Box 3703, Te2-9256, Rt. 2, Chapel Hill, NC
 Duncan, Frank Patrick, SO, IE, 221 Becton, Box 3755, Te2-9334, Rt. 1, Box 392, Siler City, NC
 Duncan, James Darius Jr., FR, ARC, 106 1/2 E. North St., Raleigh, NC, Te2-0242
 Duncan, John Kenneth, FR, ME, 118 Alex., Box 4115, Te2-9257, 405 Cadillac, Kannapolis, NC
 Duncan, Marshall Yates, FR, EE, 11 Becton, Box 3813, Te2-9261, 312 Front, Clayton, NC
 *Dunlap, Earl Sylvester Jr., SR, TC, 635-A Daniels St., Te4-6505, Rt. 1, Center Valley, Pa.
 Dunn, Frank Hughes, SO, GS, 1710 Hillsboro, Te4-2001, 817 Ashbor Rd., Winston-Salem, NC
 Dunn, Harry Patton, Jr., FR, EE, 1 Becton, Box 3803, Te2-9261, 272 Oakwood Circle, Danville, Va.
 Dunn, James Ashton, SR, CHE, 55 Owen, Box 4585, Te2-9142, Rt. 1, Efland, NC
 Dunn, Roy Cecil, 101 Idlewild Ave., Raleigh, NC, Te4-0236
 Dunn, Thomas Richard, SO, MEA, 227 Becton, Box 3761, Te2-9334, P.O. Box 408, Hamlet, NC
 Dunning, Herman Lee, SR, FMM, 2004 Hillsboro, 406 Pennington Ave., Thomasville, NC
 Dunning, Kenneth Alan, FR, EE, 224 Becton, Box 3758, Te2-9334, 2503 Old Snow Hill Rd., Kinston, NC
 Dunshee, Jason Haynes, JR, CHE, 4217 Turl., Box 4217, Te4-9279, RFD, Pantego, NC
 DuPlessis, John Joseph, SR, NE, MTE, 2512 Clark, Te2-8353, 2107 Wakefield Rd., Richmond, Va.
 Dupree, James Curtis, JR, EE, 315 Alex., Box 4178, Te2-9349, Rt. 1, Smithfield, NC
 *Dye, Earl Edward Jr., SR, TX, 210 Cox Ave., Te4-8857, 2516 Jefferson, Wilmington, NC

 *Eades, Douglas Eugene, SO, IE, 604 1/2 Dixie Trail, Raleigh, NC
 Eaker, Forrest Lee, FR, FOR, 55 Tucker, Box 4722, TE 2-9387, Rt. 2, Box 206, Bessemer City, NC
 *Eakins, Thomas Alexander, SR, FOM, 3207 1/2 Bedford Ave., Raleigh, NC
 *Eargle, Fred Lyles, SR, IA, 806 Pace Terr., TE 3-8817, Tryon, NC
 Earle, Theodore Wadden, SR, FOR, 125 Hawthorne, TE 2-1183, 11 E. 50th St., Savannah, Ga.
 *Earley, Garland Audrey, SO, MEA, 2813 Hillsboro, TE 4-8657, 2813 Hillsboro, Raleigh, NC
 *Early, Jack Dent, GR, ENT, 17 Bagwell Ave., TE 3-9103, 17 Bagwell Ave., Raleigh, NC
 Early, John Gordon, FR, 200 Grand Ave., Raleigh, NC, TE 2-8948
 *Earnhardt, John Walter, SR, HAC, 1226 Duplin Rd., TE 4-0801, 415 Harris Lane, Monroe, NC
 *Earnhardt, Robert Spencer, FR, MEA, Wickers Trailer Prk., Rt 4, Raleigh, NC, 707 Erd St., Box 924, Spencer, NC
 Earp, Larry Gordon, SO, CE, Turl., Box 4228, TE 4-7492, 224 State St., Charlotte, NC
 Easley, James Samuel, SR, IE, 208 Watauga, Box 3026, TE 2-9132, Rt. 1, Clemmons, NC
 *Eason, Bobby Ray, JR, AG, Rt 4, Raleigh, NC, Wicker Trailer Prk.
 Eason, Donald Dwight, SR, IE, 21 Enterprise St., 1914 Chapel Hill Rd., Durham, NC
 Eason, George Alben, SO, CE, 922 W. Johnson St., TE 2-2788, Box 357, Macclesfield, NC
 *Eason, Glenn Alfred, GR, CE, H-4 Shelton Apts., Raleigh, NC, TE 4-1756
 *Eason, Samuel Miller, SR, CE, 1508 Frank St., TE 4-1821, 1300 E. Walnut St., Goldsboro, NC
 Easter, William Taylor, JR, EE, 102 Logan Ct., TE 2-3089, P. O. Box 2474, Winston-Salem, NC
 Eaton, Donald Taylor, FR, IE, 335 Tucker, Box 4765, TE 2-9323, 2705 Ludwig St., Winston-Salem, NC
 Eaton, John Edwin, FR, EE, 115 Bagwell, Box 3315, TE 4-9219, 600 Lakeshore Dr., Asheville, NC
 Eberly, Curt Weik, FR, IRR, 206 Berry, Box 4313, TE 2-9363, Rt 1, Sheridan, Pa.
 Ebhardt, Carl Arthur, JR, EE, 303 Berry, Box 4323, TE 2-9363, 30 Banister Rd., Halifax, Va.
 *Eckard, Jimmie Ronald, SR, CHE, 202 Ashe Ave., 4700 Thrift Rd., Charlotte, NC
 Eckard, Seth Lyman, SO, LA, 206 Watauga, Box 3024, TE 2-9132, P. O. Box 125, Alamance, NC
 Eckerd, Joseph Harold, JR, CHE, 1501 Beneshon St., TE 4-0271, 261 Rutherford Rd., Marion, NC
 Economou, James Peter, 273 Gillespie St., Fayetteville, NC
 Eddins, Henry Thomas Jr., FR, ME, 314 Tucker, Box 4745, TE 4-9734, Rt 5, Box 350, Durham, NC
 Edinger, John Howard, FR, MEA, 230 Syme, Box 3562, TE 2-9150, 337 Marion St., Mount Airy, NC
 *Edmonds, Lloyd Verner, FR, TX, 324 Bagwell, Box 3390, TE 4-9151, Rt 2, Box 498, Roanoke Rapids, NC
 *Edmonds, Rufus Eugene, JR, CE, 1615 Hillsboro, VA 8-2996, Rt 1, Elkin, NC
 Edmondson, James Barksdale, JR, EE, 215 Bagwell, Box 3347, TE 2-9131, 902 W. 5th St., Roanoke Rapids
 Edmondson, John Austin, FR, FMM, 9 Becton, Box 3811, TE 2-9261, 156 Forest Ave., Gainesville, Ga.
 Edmondson, Richard Clifton, Jr., JR, CHE, 241 Owen, Box 4495, 800 Burton, Rocky Mount, NC
 Edmondson, Spencer Staton Jr., SR, IE, 125 Becton, Box 3725, TE 4-7791, Country Club Dr., Rocky Mount
 Edmondson, James Carroll, SO, AG, 111 Bagwell, Box 3311, TE 4-1852, Rt 1, Pikeville, NC
 *Edwards, Allen Eugene, FR, IA, 805-A Daniels St., Raleigh, NC VA 8-2584
 Edwards, Charles Stephen, SO, AG, W. Park Ave., Box 127, TE 3-6671 Rt 1, Mt. Villa, NC
 Edwards, Charles Wade, FR, AGE, 41 Tucker, Box 4794, TE 2-9186, Rt 2, Box 32, Ramseur, NC
 Edwards, Edwin Rav, SR, CE, 106 Bagwell, Box 3306, TE 2-9412, Rt 1, Newton Grove, NC
 Edwards, Frankie Brown, FR, MAE, 118 Woodburn Rd., TE 3-1328, 303 Biggs St., Williamston, NC
 *Edwards, Fred Huntley, SR, CE, 5214 Western Blvd., Raleigh, NC, TE 4-7813
 Edwards, Hilton Allen, SO, MEA, 136 Owen, Box 4430, TE 2-9437, Rt 2, Box 55, Washington, NC
 Edwards, James Harrison, SO, EE, 203 Syme, Box 3535, TE 2-9150, 1106 Caldwell St., Greensboro, NC
 Edwards, Jerry Allen, FR, CHE, 340 Tucker, Box 4770, TE 2-9232, Rt 3, Mooresville, NC
 *Edwards, John Auert, GR, ME, UK-19 Vetville, TE 2-5043, Rt 6, Sanford, NC

*Edwards, John D., GR, CE, 120 Forest Rd., Raleigh, NC TE 4-4994, Raleigh, NC
 Edwards, John Lester Jr., FR, DM, 310 Chamberlain St., TE 4-7101, 306 Cherry St., Waynesville, NC
 *Edwards, John Philip, SO, WCM, 415 Dixie Tr., TE 2-7015, RFD 1, Pinetops, NC
 Edwards, John Thomas, FR, NE, 332 Becton, Box 3800, TE 2-9372, Box 37, Spring Hope, NC
 Edwards, Ralph Goldson Jr., SO, DN, 210 Berry, Box 4317, TE 2-9363, 303 W. Marsh, Salisbury, NC
 *Edwards, Robert Lee, GR, AI, UK 40, Verville, Barnardsville, NC
 Edwards, Robert Louis, SR, ME, 127 W. Park Dr., TE 3-6671, Sherrill's Ford, NC
 Edwards, Talmadge Hight, SO, AED, 355 Tucker, Box 4782, TE 4-9739, Rt 2, Youngsville, NC
 *Edwards, Ted Alfred, JR, IA, 2007 Clark Ave., Catawba Heights, Belmont, NC
 Edwards, Thomas Gerald, 315 Tucker, Box 4647, TE 2-9323, Middlesex, NC
 Edwards, Thomas Hyman, SO, ARC, 303 Fourth, Box 3129, TE 2-9159, 629 W. Main, Williamston, NC
 Edwards, Verlin, FR, ME, Alex., Box 4148, TE 9746, Rt 2, Waynesville, NC
 Edwards, William Carroll, FR, ME, 259 Tucker, Box 4726, TE 2-9387, Box 112, Guilford, NC
 Edwards, William Joseph, FR, EE, 225 Bagwell, Box 3391, TE 4-9151, Box 43, Como, NC
 Edwards, William Patrick, FR, NE, 43 Owen, Box 4579, TE 2-9142, Box 3, Pinetops, NC
 Edwards, Wm. Warren, Prof., LA, 124 St. Mary's, 1537 NW 37th St., Oklahoma City 18, Okla.
 *Eggler, Charlotte Frey, GR, ED, 1019 St. Mary's St., TE 3-8198
 *Eggler, Joseph Amory, JR, FOM, 1019 St. Mary's St., Raleigh, NC, TE 3-8198
 Edgson, Thomas Wayne, FR, CEC, 212 Owen, Box 4468, TE 2-9410, 306 Meade St., Greenville, NC
 Eipe, Panickaruvedu Joseph, GR, TX, Gold, Box 3204, TE 2-9263, Panickaruvedu, Huttambalam, India
 Elam, Richard Clyde, FR, NE, 47 Tucker, Box 4797, TE 2-9186, 1413 11th St. NW, Hickory, NC
 El-Baz, Ahmel Abelel Wahab, Box 5786, Negakla El-Kubra, Egypt
 El-Haimus, Abdul Wahid, FR, AGE, Box 5776, State College Sta., Baltameen Baghdad, Iraq
 Eliades, David Klearchos, FR, NE, 313 Becton, Box 3781, TE 2-9372, 2602 Barker St., Lumberton, NC
 El-Jailawi, Salem Abboud, SO, AG, 101 Ashe, Box 5794, Suwaidi Sq., Baghdad, Iraq
 Ellen, Samuel James, JR, CEC, 133 Becton, Box 3738, TE 2-9256, Rt 3, Rocky Mount, NC
 Ellenberg, John Doane, JR, CHE, 2-1 Chamberlain, TE 2-1143, 1219 Vaughn Rd., Burlington, NC
 Ellington, Benjamin Limer, SR, CE, 2400 Delta Dr., Box 5543, Harvey's Island, NC
 Ellington, Mary Oliver, 2403 Anderson Dr., Raleigh, NC, TE 2-2001
 Ellington, Thomas Maktmner Jr., SR, EE, 2613 Van Dyke Ave., TE 2-2584, 281 E. Chestnut, Asheville NC
 *Ellington, Troy Dean, SO, EE, 706 Powell Dr., TE 2-1472, 160 Jones St., Concord, NC
 Elliott, David Bruce, SO, CE, 2514 Clark, Box 5065, TE 3-4522, 524 W. Main, Forest City, NC
 *Elliott, Donald Coleman, SR, AED, 1512 Simpkin St., Raleigh, NC, TE 4-1836
 Elliott, Floyd Wilkins Jr., GR, AMA, 109 Watauga, Box 3009, TE 2-9447, 2005 Thomas Ave., Charlotte, NC
 Elliott, Jerry Michael, FR, EE, 203 Alex., Box 4134, TE 4-9796, Mulberry, Statesville, NC
 Elliott, Kenneth Eugene, JR, NE, 128 Owen, Box 4423, TE 2-9437, Star Rt., Black Mountain, NC
 Elliott, Murray McMullan Jr., FR, ME, 326 Syme, Box 3590, TE 2-9222, Rt 2, Tyner, NC
 Ellis, Blair Campbell, FR, CHE, 503 Harvey St., Raleigh, NC, TE 2-3239
 Ellis, Bobby Joel, SR, GEE, 308 Horne St., TE 2-7050, 181 Courtland Pl., Asheville, NC
 Ellis, Donnie Maynard, SO, EE, 152 Tucker, Box 4659, TE 2-9388, 249 South Main, Mt. Airy, NC
 Ellis, Edward William Jr., FR, CE, 51 Tucker, Box 4801, TE 2-9186, Rt 1, Box 358, Henderson, NC
 Ellis, George Burkhardt Jr., FR, NE, 252 Owens, Box 4503, TE 2-9252, 213 W. Academy, Winston-Salem
 Ellis, George Leland, GR, AI, 217 Hawthorne Rd., Rt 5, Goldsboro, NC
 Ellis, James Franklin, SR, LA, 2507 Kenmore Dr., Raleigh, NC, TE 2-4741
 Ellis, Larry Wayne, FR, EE, 65 Owen, Box 4599, TE 2-9142, 1225 Junction Rd., Durham, NC
 Ellis, Philip Rondall, SO, ARC, C Maiden Lane, TE 2-3493, Clarkton, NC
 Ellis, Robert Charles Jr., FR, 207 Tucker, Box 4680, TE 2-9387, 809 Churchill Dr., Shelby, NC
 *Ellis, Robert Guy Jr., FR, EE, Pine Lake Mobile Homes, Rt 5, Raleigh NC, Box 534, Marion, NC
 *Elinashar, Mohsen Ibrahim, GR, TX, 1 1/2 Dixie Trail, 132 Hagar Elnawutia, Alexandria, Egypt
 Elrod, Stanley Ridgeway, FR, EE, 330 Becton, Box 3798, TE 2-9372, 1400 Sterling St., Charlotte, NC
 El-Shazly, Mahmoud Amin, UN, Box 5785, 3400 Ruffin St., Raleigh, NC
 *Elsmore, James Luther, SR, TX, 107 Gold, Box 3207, TE 2-9142, 632 Cherry, Statesville, NC
 Elzey, Horace Richard, JR, NE, 3107 Hillsboro, Creston, NC
 Emmerson, Thomas Jackson, FR, AED, 222 Alexander, TE 4-9746, Rt 2, Siler City, NC
 Emmart, Maurice Shaw Jr., SR, AGC, 214 Tucker, Box 4685, TE 3-2897, Rt 2, Box 131, Wilmington, NC
 Emory, Bobby Yates, 335 Mulberry, Raleigh, NC, TE 4-0803
 *Endo, Burton Toshicki, GR, PP, 3112 Douglas St., TE 2-9663, 4337 N. Fairhill St., Philadelphia 40, Pa.
 Englehardt, Dan Wilson, SO, IRR, Alex., Box 4106, TE 2-9257, 651 Sunset Pkwy., Seymour, Ind.
 *English, Frank Watson, SR, DM, 205 Poplar St., Raleigh, NC
 English, Ronald Holland, SO, AED, 111 Becton, Box 3711, TE 2-9256, Willard, NC
 *English, Stephen Croom, SR, AGE, 615 Wayne Dr., TE 3-0230, 615 Wayne Dr., Raleigh, NC
 Enloe, Frank Robert, JR, WCM, 2114 St. Mary's St., TE 2-2609, Rt 4, Waynesville, NC
 *Ensley, William Fletcher, FR, EE, Apt. 4, 204 Park Ave. Box 132, Rt 2, Rutherfordord, NC
 Epps, Richard Jr., JR, MEA, 218 Watauga, Box 3036, TE 2-9132, 1015 Pecan Ave., Hopewell, Va.
 Epps, William Ryan, FR, ME, 9 Rosemary St., TE 2-9665, Rt 5, Charlotte, NC
 Erdman, Howard Ernest, GR, GN, 202 Gold, State College Ext. 385, 534 2nd St., Weatherly, Pa.
 Ernull, Robert Earl, JR, MEA, 103 Owen, Box 4402, TE 2-9115, 804 Contentnea, New Bern, NC
 Ervin, John Carl, FR, EE, 154 Owen, Box 4445, TE 2-9437, Box 542, Newton, NC
 Entekin, James Howell, FR, CE, 354 Owen, Box 4565, TE 4-91836, 1239 Pinecrest Ave., Charlotte, NC
 Erwin, Hamilton, SR, FOM, 305 Tucker, Box 4741, TE 4-9739, 102 E. Ave., Morganton, NC
 *Esckridge, Campbell Davis, SO, FOR, Wickers Trailer Ct., Rt 4, Raleigh, NC, 722 W. Sumter, Shelby, NC
 Esckridge, Charles R. Jr., SR, EMA, Kappa Alpha House, TE 4-2001, 397 E. Marion, Shelby, NC
 Essex, Judson Paul Jr., JR, IE, 400-F Chamberlain, 2634 Forest Dr., Winston-Salem, NC
 Estis, Harold R., SO, IRR, Tucker, Box 4748, 1225 Edw L. Grant H'way, Bronx 52, NY
 *Estridge, Ronald Rhodes, SR, IE, 709 S. Kimbrough St., TE 3-5591, 36 Lookout Dr., Asheville, NC
 Estridge, William Banks Jr., SO, IE, 2613 Van Dyke Ave., TE 2-2584, 36 Lookout Dr., Asheville, NC
 Etchison, John Walter, SO, AG, 505 Alex., Box 4169, TE 2-9309, Rt 2, Mocksville, NC
 Etternd, Rene Horacio, FR, TX, Tucker, Box 4624, TE 2-9338, Maravatio 132, Mexico 16, DF, Mexico City
 Etheridge, Joseph Lister, JR, CE, 128 Tucker, Box 4639, TE 2-9347, Rt 1, Elizabeth City, NC
 Etheridge, VanRuren Webb Jr., JR, ME, 202 Fourth, Box 3120, TE 2-9159, 2205 Greenway, Charlotte, NC
 *Eudy, Darrell Joe, JR, EE, 22-F Verville, TE 4-7201, 5935 Wilora Rd., Charlotte, NC
 Eudy, Larry D., FR, CEC, 108 Gold, Box 3208, TE 2-9363, 5935 Wilora Rd., Charlotte, NC

Eudy, Robert Glenn, JR, ME, 201 Watauga, Box 3019, TE 2-9132, Rt 2, Albemarle, NC
 Eure, Curtis Raeford, SR, CE, 300 Chamberlain, TE 2-4843, Gates, NC
 Eury, Lynn Wade, JR, EE, 201 Watauga, Box 3019, TE 2-9132, Rt 2, New London, NC
 *Evans, Max Deland, JR, LA, 5 Dixie Trail, Apt. 1, Raleigh, NC
 Evans, Richard Thomas, JR, CE, 106 Berry, Box 4306, TE 2-9363, 1406 Valley Ridge, High Point, NC
 Evans, William Edward, SO, ME, 17 Syme, Box 3613, TE 2-9421, 1311 Howard St., Kinston, NC
 Evans, William Ernest, JR, EE, 213 Watauga, Box 3031, TE 2-9132, 508 E. Main, Murfreesboro, NC
 Everett, Marvin McHenry Jr., FR, NE, 113 Bagwell, Box 3313, TE 4-9219, Robersonville, NC
 Everitt, Layton John, SO, ME, 201 Bagwell, Box 3333, TE 2-9131, 148 Lincoln Ave., Dover, NJ
 *Everleigh, Carl Andrew Jr., SR, EE, 20-E Verville, 509 E. 8th St., Lumberton, NC

Fadgen, Richard Dennis, JR, IRE, 143 Tucker, TE 2-9367, 237 Green St., Woon, RI
 Faeten, Eion MacGregor, FR, NE, 2 Becton, Box 3804, TE 2-9261, 1404 Pollock, Kinston, NC
 Fagan, Jerry Benjamin, FR, CE, 102 Watauga, Box 3002, TE 2-9132, 311 Montford Ave., Asheville, NC
 Faircloth, Croom Maurice Jr., SO, CE, 252 Owen, Box 4503, TE 2-9410, 603 Sunset Ave., Clinton, NC
 Fairfax, Hiawatha A. Jr., FR, ME, 262 Tucker, Box 4729, TE 2-9387, 4124 Castlewood Rd., Charlotte 9, NC
 Fairley, Jesse Arthur Jr., FR, MEA, 318 Owen, Box 4533, TE 4-9836, Point Harbor, NC
 Faison, Thomas Kilby Jr., JR, HAC, 203 Tucker, Box 4676, TE 2-9312, Box 163, Faison, NC
 Falbaum, Jacob Vosk, FR, ME, 323 Tucker, Box 4759, TE 4-9739, 806 S. Sunset Dr., Winston-Salem, NC
 *Falkner, John Macy Jr., 109 Front St., Oxford, NC
 *Fall, Boyd Edwards, GRA, FMM, 1319 Beaver Dam Dr., Asheville School, Asheville, NC
 Falls, Richard Dan, FR, CE, 303 Becton, Box 3776, TE 2-9372, Box 80, Rt 2, Bessemer City, NC
 Fansler, David Wayne, FR, CE, 252 Owen, Box 4503, TE 2-9252, 213 Gloria Ave., Winston-Salem, NC
 Farley, Donald Fred, SR, GEE, TKE Frat., 2405 Clark Ave., Rt 1, Box 943, Bluefield, W. Va.
 Farley, Edward Dayton, SO, EE, 2506 St. Mary's, 1706 E. 6th., Greenville, NC
 Farley, Walter Ronald, SR, CE, 2405 Clark Ave., TE 2-6543, Rt 1, Box 993, Bluefield, W. Va.
 *Farlowe, Horace Laverne, 807 Harvey St., Raleigh, NC
 Farmer, Berkwood Malcolm, SO, AGC, 131 Owen, Box 4426, TE 2-9437, Rt 2, Ringgold, Va.
 Farmer, Moses Grady, SR, MEA, TE 2-4058, Rt 2, Raleigh, NC
 Farner, William Casper, JR, IE, 240 Turl., Box 4265, TE 2-9297, 109 Falls St., Morganton, NC
 Farr, Edward Clark, SO, EE, 332 Bagwell, Box 3398, TE 4-9151, 1211 E. Worthington, Charlotte, NC
 Farrell, Robert Smith, SO, ME, 216 Bagwell, Box 3348, TE 2-9131, 324 N. Main St., Graham, NC
 Farrior, Stanley McNair, SR, IE, 111 Becton, Box 3711, TE 2-9256, Bridges, Burgaw, NC
 Farrow, William Benjamin, SR, FC, 2718 Clark Ave., TE 2-6451, Engelhard, NC
 *Farthing, Barton Roby, GRAD, AI, Rt 4, Raleigh, NC, Rt 4, Raleigh, NC
 Fary, Avery David Jr., SO, PPT, 109 Tucker Dorm., Box 4622, TE 2-9367, Shacklefords, Va.
 *Faulkenberry, Charles V., SO, CE, 5529 Western Blvd., 9 Geer St., Lowell, NC
 Faulkner, Fred Eugene, SR, CE, 306 Berry, Box 4326, TE 4-9763, 55 Haw Creek Rd., Asheville, NC
 Faust, Larry Michael, FR, ME, 308 Owen, Box 4525, TE 4-9300, 905 Watson Ave., Winston-Salem, NC
 Faw, Homer Jackson Jr., SO, ME, 135 Tucker, TE 2-9388, Box 192, Conover, NC
 Fawzi, Fawzi Hussein, GRAD, TXM, 514 Dixie Tr. TE 2-9927, 32 M. El-Dib St., Zizinia, Alexandria, Egypt
 Featner, Clifford Herbert, FR, IE, 21 Syme, Box 3617, TE 2-9421, 915 Colonial Ave., Aberdeen, NC
 Feeley, Thomas Aquinas, SR, EE, 910 Wade Ave., Garner, NC
 Feimster, Alan Grant, FR, EE, 265 Tucker, Box 4732, TE 2-9387, Rt 3, Taylorsville, NC
 Feinert, Douglas Braid, FR, EE, 238 Tucker, Box 4708, TE 2-9387, 1718 McGougan Rd., Fayetteville, NC
 Felmet, Jack Welch, FR, AG, 253 Owen, Box 4504, TE 2-9410, Waynesville, NC
 *Feltner, Charles E., SR, ME, 117 Syme, Box 3517, TE 2-9288, 2118 Mayview, Raleigh, NC
 Felton, James Stanfield, SO, ETE, 813 Wilmington Ter. Halifax Ct., 410 E. St., Erwin, NC
 Felton, Ronald Bruce, JR, MTE, 27 Becton, Box 3826, TE 2-9261, 1421 Eastern Ave., Rocky Mount, NC
 Felton, Turner Ellis, SO, CE, 922 W. Johnson St., TE 2-2788, Box 334, Macesfield, NC
 Fenner, William Orion, SR, SED, 234 Becton, Box 3768, TE 2-9334, Rt 1, Tryon, NC
 Ferguson, Bernard Woody, SO, AG, 215 Becton, Box 3749, TE 2-926, Rt 1, Clyde, NC
 Ferguson, David Neil, JR, NE, 125 Hawthorne Rd., TE 2-1183, 1003 Spencer Ave., Gastonia, NC
 Ferguson, Jerry Neil, FR, AG, 215 Becton, Box 3749, TE 2-9334, Rt 1, Clyde, NC
 Ferguson, Lenard Neal, SO, ME, 338 Alex., Box 4198, Rt 1, Box 354, Charlotte, NC
 *Ferneyhough, Richard Henry, GRAD, AI, Box 5658, TE 2-4468, Rt 3, Raleigh, NC
 Ferrell, Carl Edmund, FR, ME, 339 Tucker, Box 4769, TE 2-9363, 1023 Fairfield, High Point, NC
 Ferrell, Jack Eugene, SR, IRR, 414 S. Boylan Ave., 1337 Rhankatte Rd., Raleigh, NC
 *Ferrell, James Clyde, SR, GEE, 994 Peace Terrace, TE 3-0564, 2720 Roxboro Rd., Durham, NC
 *Ferrer de Buide, Norma, UN, AG, 2610 Clark Ave., TE 2-1432, Mayia Rodriguez 363, Havana, Cuba
 *Ferreya, Rogelio Guerreros, Sp. Student, AGY, c/o F. S. Sloam, Box 5157, NCSC, Luis A. Deherrera,

742, Asuncion, Paraguay

*Fetner, Donald Hughey, SR, CE, 1803 Hillcrest Dr., Durham, Tel. 8-3242, 1803 Hillcrest Dr., Durham
 Fields, Bettie Lois, JR, SED, 136 Woodburn Rd., Tele. 3015, 226 N. College St., Wallace, NC
 Fields, Edgar Milton Jr., FR, NE, 306 Syme, Box 3570, TE 2-9222, 99 Dobb St., Hertford, NC
 *Fields, John Arrington, SR, HAC, 413 Calvin Rd., TE 2-6565, Box 102, Ramseur, NC
 *Fields, John Carroll, SR, WCM, 116 1/2 Horne St., TE 4-2929, Raleigh, NC
 Fields, Julian William, SO, TC, 112 Tucker, TE 2-9388, LaGrange, NC
 Fields, Parks Cadman, SO, AED, 226 Turl., Box 4254, TE 2-9297, Rt 1, Pleasant Garden, NC
 Fields, Thurman Melvin Jr., SR, IA, 134 Bagwell, Box 3402, TE 4-9129, 226 N. College., Wallace, NC
 Finch, Edwin Orville, JR, AGE, 221 Syme, Box 3553, TE 2-9150, Rt. 1, Bailey, NC
 *Fine, Marion Thomas, SR, IE, 25C Verville, 409 White St., Thomasville, NC
 Finkelstein, David Jonas, SO, CE, Box 5123, HiPolito Unanue 594, Lima, Peru, S.A.
 Finley, Robert Bland, FR, FOR, 123 Chamberlain St., Box 16, Cramerton, NC
 Finney, James Alan, FR, ME, 27 Syme, Box 3623, Elkin, NC
 *Fish, Catharine W. (Mrs.), UN, ED, TE 3-9614, 825 Woodburn Rd., Raleigh, NC
 Fish, George William, FR, ME, 265 Tucker, Box 4732, TE 2-9387, 306 W. 6th Ave., Lexington, NC
 Fish, Joseph Raymond, SO, CE, 216 Owen, TE 2-9252, 1123 Romany Rd., Charlotte, NC
 Fish, Lydia Mary, SO, GS, 825 Woodburn Rd., TE 3-9614, 825 Woodburn Rd., Raleigh, NC
 Fish, Rufus Talmage, FR, ME, 215 Turl., Box 4243, TE 2-9297, Watson Dr., Wilson, NC
 Fisher, Benny Franklin, SO, ME, 133 Alex., Box 4127, TE 2-9257, 2828 Beatty's Ford Rd., Charlotte, NC
 *Fisher, Charles Page, GRAD, CE, 132 Mann Hall, 8 Maiden Lane, Raleigh, NC
 Fisher, Henry Lee Jr., SO, NE, 130 Tucker, Box 4641, TE 2-9388, Box 36, Mt. Pleasant, NC

Fisher, James Crowell Jr., SO, EE, Tucker, Box 4641, TE 2-9388, Mt. Pleasant, NC
 Fisher, John Read, FR, MEA, 49 Tucker, Box 4799, TE 2-9186, 321 Edgedale, High Point, NC
 Fisher, Junius Virgil Jr., JR, CE, Sigma Pi Frat., Box 5656, TE 2-0268, Rt 359, Charlotte 7, NC
 *Fisher, Kenneth Deane, GRAD, PP, 2634 Kilgore Ave., TE 2-0997, 51 Williams St., Plainville, Conn.
 *Fisher, Norman Ray, FR, CEC, 719 Chamberlain St., Apt. 8, Box 77, Conover, NC
 *Fisher, Marg. H. (Mrs.), Sp. Student, 8 Maiden Lane, Raleigh, NC
 Fisher, Roy Edward II, SR, ME, 301 Berry, Box 4321, TE 2-9363, 2309 Walker Ave., Greensboro, NC
 *Fisher, William Arnold, FR, ME, 2231 Noble Rd., TE 2-1303, 2231 Noble Rd., Raleigh, NC
 *Fisher, William Perry, SO, EE, 18 Horne St., Box 5704 St., College Station, Rt 3, Box 2, Hendersonville, NC
 Fisher, Yolanda Laini, UN, GS, TE 3-2664, 501 S. Wilmington St., Raleigh, NC
 Pitts, Edward Plummer, FR, IE, 121 Tucker, Box 4632, TE 2-9367, 109 College, Littleton, NC
 Pitts, Jerry Burt, FR, AG, 1021 Gardner St., TE 4-5701, -021 Gardner St., Raleigh, NC
 Pitts, Robert Bond, SO, NE, 50 Owen, Box 4586, TE 2-9115, 22 White Pine Dr., Asheville, NC
 Pitts, William Person, JR, EE, 113 Alex., Box 4110, TE 2-9257, College, Littleton, NC
 Fitzgerald, James Joseph, FR, IE, 214 Alex., Box 4143, TE 4-9746, 1301 Fremont St., McKeesport, Pa.
 *Flanagan, David L., SR, EPY, 2610 Kilgore Ave., Raleigh, NC, TE 3-3402
 *Flanagan, Ruth T., GR, OIG, 2610 Kilgore Ave., Raleigh, NC, TE 3-3402.
 *Fleming, Edwin Dervell, SR, TX, 2514 Clark Ave., TE 4-2451, Enfield, NC
 *Fleming, Gerald Ronney, SR, CE, 28-E Vetville, TE 4-8116, Box 13, Stokes, NC
 *Fleming, Henry Pridden, GR, AI, Rt 3, Raleigh, NC, TE 2-4633, Rt 2, Lucama, NC
 Fleming, Larry Milton, FR, NE, 119 Turl., Box 4288, Morganton, NC
 Fletcher, Hugh Larry, JR, EE, 303 Welch, Box 3263, TE 2-9119, 1 Brucemont, Asheville, NC
 Fletcher, John Edward, JR, MEA, 2709 Kilgore Ave., TE 2-3872, S. Main St., Marion, NC
 *Flinchum, Glenn A., 1314 Chaney Rd., Raleigh, NC
 Flinchum, Walter Max, FR, ME, 301 Becton, Box 3769, TE 2-9372, Rt 2, High Point, NC
 Flinchum, Wayne Thomas, SO, FC, 128 Syme, Box 3528, TE 2-9288, Rt 1, Cartage, NC
 *Flowers, Leslie Ethler Jr., SR, ARC, Rt 1, Varina, NC
 Flowers, Linda Amelia, FR, E, 1321 Brooks Ave., TE 2-0059, Harrisburg, NC
 Flower, Roger Marcus, SR, EE, 115 Alex., TE 7-2949, 327 E. End Ave., Statesville, NC
 Fluck, Richard Conrad, SO, AGE, 228 Turl., Box 4256, TE 2-9297, Rt 7, Box 377, Salisbury, NC
 *Flynn, John E., GR, ENT, Rt 3, Buffalo Trailer Park, Raleigh, NC, Box 25, New Milford, Conn.
 *Flynn, Lenard Joan, SR, IE, 2100 Mayview Rd., TE 4-8672, 175 Flint St., Asheville, NC
 Flynn, Ligon B., 117-A Park Ave., TE 2-6324, Tryon, NC
 Flynt, Herman Elwood, FR, EE, 205 Tucker, Box 4678, TE 2-9387, Rt 1, Guilford College, NC
 *Foard, Donald Edward, GR, BO, 262 Gardner, TE 4-3763, 925 Tower St., Raleigh, NC
 Fogle, Fred Aull, FR, E, 165 Owen, Box 4456, TE 2-9115, 513 Swttle, Shelby, NC
 Fogleman, Maxwell Brooks II, SO, IE, 123 Bagwell, Box 5042, TE 4-9219, 632 Park St., Charlottesville, Va.
 *Fogleman, William Clarke, TE 3-6018, 108 Lumpkin St., Raleigh, NC
 Foil, Martin Bozen Jr., JR, TX, 1425 Curfman St., VA 8-2710, 138 S. Union St., Concord, NC
 *Foil, William Kenneth, SO, ARC, 510 Cutler St., Raleigh, NC
 Folsom, James Warren, FR, NE, 139 Tucker, Box 4649, TE 2-9308, Warwick, Va.
 Folsom, John Wesley, JR, NE, 131 Tucker, Box 4642, TE 2-9367, 211 Ferguson Ave., Warwick, Va.
 Fontenot, Nolan Jack, FR, CHE, 714 Faircloth St., Raleigh, NC, TE 4-4704.
 *Foradori, George Thomas, GR, EST, UK-3 Vetville, TE 3-0300, UK-3 Vetville, Raleigh, NC
 *Forbes, Ernest Lee, SR, ZO, 10-F Vetville, TE 3-9044, Box 358, Wallace, NC
 Forbes, Ralph Larry, SO, RS, 2120 Dixie Trail, Raleigh, NC, TE 4-8026
 Ford, Russell Winfred Jr., FR, EE, 201 Berry, Box 4308, Albemarle, NC
 Ford, Wayne Emrick, FR, ME, 65 Owen, Box 4599, TE 2-9142, 4401 Newport, Richmond, Va.
 Fore, James Ray, FR, FOR, 215 Becton, Box 3749, TE 2-9334, Rt 3, Canton, NC
 *Forehand, Walter Kemp, JR, EE, 2317 Bernard St., Raleigh, NC
 Foreman, Allen Harvey Jr., SO, CE, 21 Enterprise, J-3 Jussmat, APO 259, New York, NY
 Formy-Duval, Gene Gore, FR, FOR, 335 Owen, Box 4549, TE 4-9836, Rt 4, Box 369, Whiteville, NC
 Formy-Duval, John Jerome II, JR, FOM, 2226 Hillsboro, TE 4-4137, Rt 4, Whiteville, NC
 Fornes, Bruce M., FR, EE, 228 Syme, Box 3560, TE 2-9150, 900 Lee Ave., Sanford, NC
 Fort, Jack Bernard, FR, EE, 114 Watauga, Box 3014, TE 2-9447, 117 Rhvne Ave., Winston-Salem, NC
 Fortin, John Broughton Jr., SR, FOM, 2206 Hope St., TE 2-8963, 123 Mt. Vernon Dr., Decatur, Ga.
 Fortson, Charles Wellborn, GR, GEE, 917 W. Johnson St., TE 2-9827, 5457 Roswell Rd., Atlanta, Ga.
 *Fortune, Dennis Lee, SR, CE, 2409 1/2 Everett Ave., Raleigh, NC, TE 3-4579
 Foss, Emmett Wooten Jr., FR, CE, 204 Owen, Box 4461, TE 2-9410, Rt 3, LaGrange, NC
 *Foss, William Roy, IE, Rt 1, Cary, NC
 *Fountain, Donald Ray, SO, NE, 3414 Hillsboro, TE 3-4800, 4716 Longleaf Hills Dr., Wilmington, NC
 Fountain, Lafayette E., SR, EE, 308 Horne TE 2-7050, 1201 Main St., Tarboro, NC
 Fournier, Erich, SR, TX, 114 Dixie Dr., TE 4-8368, Paris, France
 Foushee, Charles Broadus Jr., FR, CRE, 293 Bazwell, Box 3355, TE 2-9131, 524 Sunset Dr., Sanford, NC
 Foust, Gene Rav, JR, WPM, 132 Tucker, Box 4643, TE 2-9388, Rt 2, Lexington, NC
 Fouts, William Elbert, FR, AED, 102 Owen, Box 4416, TE 2-9487, Rt 4, Franklin, NC
 *Fowler, Riley H., SO, AED, 2734 Knowles St., Raleigh, NC
 Fowler, Robert Lewis, FR, EE, 6 Becton, Box 3808, TE 2-9261, Rt 1, Bryson City, NC
 Fowler, Vance Garrison, SR, TX, 135 Turl., Box 4230, TE 4-9279, 921 Williams St., Henderson, NC
 *Fox, Albert Dean, JR, IRR, 5107 Western Blvd., Raleigh, NC, TE 4-4014
 Fox, Dennis Lee, SO, CE, 235 Turl., Box 4261, TE 2-9297, 1447 N. Rhyne St., Gastonia, NC
 Fox, Jerry Hassell, SO, WT, 229 Becton, Box 3763, TE 2-9334, Rt 3, Poxboro, NC
 Francis, Jimmy R., Eng. Experiment Sta., U. of Va., Charlottesville, 120 Park Lane, Secunderabad, India
 Francis, Joseph Marshall, SO, EE, 105 Syme, Box 3505, TE 2-9238, Star Rt., Conway, NC
 Frady, James Howard, FR, PPT, Owen, Box 4532, City Mounted, Canton, NC
 Franklin, Jack M., JR, PPT, 101 Chamberlain St., TE 2-2293, 102 E. Main Plmoueth, NC
 Franklin, Asa Howard, FR, EF, 61 Tucker, Box 4811, 703 Lane Ave., Kingston, NC
 Franklin, Ernest Calvin, SR, PPT, 109 Ashe Ave., 1100 Toledo Ave., Lynchburg, Va.
 Franklin, Kenneth Vaden Jr., FR, CHE, 318 Harrison Ave., Cary NC HO 7-6196
 Franklin, Malvin Dorey, SR, EE, 3107 Hillsboro, Rt 2, Box 391, Henderson, NC
 *Franklin, William Penman, JR, CFC, 912 Rawwell, Box 3344, TE 2-9137, 1411 Adams St., Wilson, NC
 Franklin, William Wayne, SR, AED, 3107 Hillsboro, Rt 3, Box 421, Henderson, NC

Frazier, John Franklin III, JR, CE, 322 Tucker, Box 4753, TE 4-9737, 1805 Tippah, Charlotte, NC
 Frazier, Billy Van, FR, CEC, Becton, Box 3773, TE 2-9372, Rt 2, Middlesex, NC
 Frazier, Harold Leon, FR, ME, 163 Owen, Box 4454, TE 2-9115, 709 Woodruff, Charlotte, NC
 Frazier, James Richard, FR, ME, 163 Owen, Box 4454, TE 2-9115, 709 Woodruff, Charlotte, NC
 Frazier, John Gurney III, SR, CE, 118 Syme, Box 3518, TE 2-9288, 1420 Sterling Rd., Charlotte, NC
 Frazier, Leon Purks, SO, CE, 259 Owen, Box 4510, TE 9410, Rt 6, Box 246, Statesville, NC
 *Frazier, Ralph Lewis, FR, EE, 116 St. Mary's St., Box 454, Fuquay Springs, NC
 *Frazier, Russell Wayne, SR, REC, 7-B Vetville, Rt 1, Youngsville, NC
 *Frazier, William Max, SO, CE, Wicker Trailer Ct., Rt 4, Raleigh, TE 2-4586, Rt 5, Box 305, Statesville
 *Frazier, Winston Earle, UN, AED, Rt 4, Raleigh, NC
 Frederick, James Barksdale, FR, EE, 125 Hawthorne Rd., TE 2-1183, 164 Hubbard St., Reidsville, NC
 *Freeland, William Eugene, SO, ARC, 1217 Kent Rd., Rt 7, Statesville, NC
 Freeman, Harold Boyd, JR, FOR, 1115 Hillsboro, TE 2-6250, 306 Washington St., Roanoke Rapids, NC
 Freeman, James Carroll, JR, MEA, 249 Tucker, Box 4716, TE 2-9387, 1721 NE 42 Ct., Pompano Beach, Fla.
 Freeman, John Irvan, FR, AGP, 205 Watauga, Box 3023, TE 2-9132, Rt 4, Lincolnton, NC
 Freeman, Wray Edwards, SR, FOM, 304 Owen, Box 4521, TE 2-9464, Rt 2, Rutherfordton, NC
 *Freeman, Joseph Mark Jr., JR, CE, 116 Forest Rd., 406 Fountain Pl., Burlington, NC
 Freeze, Bobbie E., JR, CE, 132 Woodburn Rd., TE 3-0083, 821 Pine St., Mooresville, NC
 French, Gaylord Howard Jr., SO, AGP, 2100 Hillsboro, TE 4-6094, Box 448, Draper, NC
 Fretwell, Sam McGehee, SR, CH, 3200 Bedford Ave., Rt 3, Reidsville, NC
 Freund, Ralph Austin Jr., GR, AGC, 511 Cole St., 1706 S. Main, Georgetown, Texas
 Friar, Ernest Mason Jr., JR, EE, 308 Horne St., TE 2-7050, 130 Howard Circle, Tarboro, NC
 *Frick, Thomas Murrell, FR, CE, 1100 Parker St., Raleigh, NC
 Friddle, Edward William, SR, CRE, 15 S. West St., Raleigh, NC, TE 4-4692
 Frie, Hillard Henry, FR, AS, 310 Bagwell, Box 3376, TE 4-9151, 14 Pender Lane, Cherry Point, NC
 *Frizzell, Clarence, SR, EE, Rt 3, Buffaloe Trailer Park, Raleigh, NC, VA 8-2267, Rt 1, Sylva, NC
 Fry, Edmund Franklin, SO, ME, 6 Bagwell, Winston-Salem, NC
 Frye, Gurney Van, JR, AI, 317 Bagwell, Box 3383, Box 221, High Point, NC
 Frye, James Homer, FR, EE, 223 Tucker, Box 4694, TE 2-9387, 12th St., Pr. NW, Hickory, NC
 Fulcher, William Freddy, FR, MEA, 303 Becton, Box 3771, TE 2-9372, 400 S. Taylor St., Rocky Mount, NC
 Fulghum, Thomas Ray, JR, AED, 115 Becton, Box 3715, TE 2-2596, Rt 2, Wilson, NC
 Fuller, Allen Jefferson, JR, EE, 301 Alex., Box 4167, TE 2-9349, Box 277, Liberty, NC
 *Fuller, Avon, SO, TX, Box 324, Franklin, NC
 Fullington, Ronald Wayne, FR, EE, 209 Becton, Box 3743, TE 2-9334, 2001 Sherwood St., Greensboro, NC
 Fulton, John David, SO, NE, 3414 Hillsboro, TE 3-4808, 11th St., Norton, Va.
 Fulton, John Scott, FR, EE, 149 Owen, Box 4440, TE 2-9437, Rt 1, Box 199, Wilmington, NC
 Fulford, Joseph Marion, SO, AGP, 219 Becton, Box 3738, TE 2-9334, Rt 2, Farmville, NC
 Fuller, Bobby Lee, JR, EE, 101 Gold, Box 3201, TE 2-9263, Rt. 5, Box 588, Durham, NC
 *Fulp, William Melvin, SR, EE, 20-F Vetville, TE 5130, Rt 3, Winston-Salem, NC
 *Funderburg, John Broudis Jr., GR, AEC, UK-27 Vetville, TE 4-5626, Rt 1, Castle Hayne, NC
 Funderburk, Billy Thomas, SO, EE, 206 Syme, Box 3538, TE 2-9150, Monroe, NC
 Funderburk, Ted W., SR, CE, 516 Adams St., Box 4, Matthews, NC
 *Funderburk, William Franklin, SR, EE, James Campbell's Trailer Park, 302 N. Main St., Kannapolis, NC
 Fussell, Mary E., 631-D Daniels St., Raleigh, NC
 *Futrell, Ben Gay, JR, TX, 302 Fourth, Box 3121, TE 2-9159, 418 Branch St., Rocky Mount, NC
 *Futrelle, Robert Howard, SR, AI, 949 N. Blount St., Raleigh, NC, TE 8-7253

Gaddy, Delma Ray, SO, DM, 331 Syme, Box 3595, TE 2-9221, Rt. 3, High Point, NC
 Gagnon, Robert Edward, FR, EE, 219 Syme, Box 3351, TE 2-9150, 605 E. 3rd, Ayden, NC
 Gaines, George Lynn, SO, FOM, 202 Bagwell, Box 3334, TE 2-9131, 314 Stuart, Fayetteville, NC
 Gaines, Philip, SR, CHE, 304 E. Park Dr., TE 2-7638, 165 Linwood St., New Britain, Conn.
 Gallagher, Donald Michael, SO, TX, 135 Owen, Box 4429, TE 2-9437, 29 Munsell, Binghamton, NY
 *Gallimore, William Wesley, GR, AGC, UK 22, Vetville, TE 2-9282, Creston, Ky.
 *Galt, William Colguhoun, SO, EE, 1508 Frank St., Raleigh, NC
 *Galvin, Thomas Joseph, GR, AI, 912 Carolina Pines, VA 8-2240, Raleigh, NC
 Gamble, Ernest Washington Jr., FR, E, 265 Tucker, Box 4732, TE 2-9387, 511 W. Council, Salisbury NC
 *Game, Jack D., 3119 Leonard St., TE 3-6009, Raleigh, NC
 Gargury, Nriperdra K., 211 Gold, Box 3223
 Gantt, Charles Arthur, SO, AG, 1720 Hillsboro, TE 4-0451, 2403 Club Blvd., Durham, NC
 Garcia, Heredia Carlos, SO, CHE, 213 Berry, Box 4320, TE 2-9363, Frexes 2, Holguin-Ote-Cuba.
 Gardner, Benjamin Alton Jr., SO, ME, 158 Owen, Box 4447, TE 2-9115, Rt 2, Box 388, Ayden, NC
 Gardner, Charles Ray, JR, NE, 302 Tucker, Box 4735, TE 4-9739, 807 Albemarle Ave., Greenville, NC
 Gardner, Donald Julius, SO, TX, 318 Becton, Box 3786, TE 2-9372, 211 S. Eleanor Ave., Dunn, NC
 Gardner, Jack Allen, JR, NE, 153 Tucker, Box 4660, TE 2-3967, 625 Berlesline Ave., Pasadena, Calif.
 *Gardner, James Donald, JR, EE, 3205 Hillsboro, TE 2-1284, 202 Maple Dr., Mt. Airy, NC
 *Gardner, Joe Dan, 123 Ashe Ave., Raleigh, NC
 *Gardner, Joseph Clarence, SR, EE, Rt 4, TE 2-2410, Raleigh, NC
 Gardner, Robert Lee, FR, CHE, Box 28A, Rt 4, TE 2-2410, Raleigh, NC
 Gardner, Robert Samuel, SR, TX, 304 E. Park Dr., TE 3-0453, 230 Kensington Rd., Lynbrook, N.Y.
 Gardner, Robin Pierce, GR, CHE, 2645 St. Mary's, TE 4-0414, Raleigh, NC
 Gardner, Thomas Alfred, FR, ME, 315 Burlington, Box 4277, TE 2-9192, Duke Power Plant, Cliffside, NC
 *Gardner, William Wright, SO, ME, 3414 Hillsboro, TE 3 4808, 215 N 18th, Wilmington, NC
 Gardner, William Wright, SO, ME, 3414 Hillsboro, TE 3-4808, 215 N. 18th, Wilmington, NC
 *Garland, John Barnum, JR, CE, 303 1/2 Brooks Ave., Raleigh, NC
 *Garner, Carlton LeRoy Jr., JR, EMA, 412 Guilford Cir., Raleigh, NC
 Garner, Charles Philemon, FR, ME, 318 Owen, Box 4533, TE 4-9386, Rt 3, Box 224, Wilmington, NC
 Garner, Charles Thomas Jr., FR, AED, 103 Bagwell, Box 3308, TE 4-9219, Rt 2, Box 133, New Port, NC
 Garner, Edward Carlton, SO, AG, 322 Becton, Box 3790, TE 2-9372, Rt 2, Roanoke Rapids, NC
 Garner, G'bert Giles, FR, PPT, 324 Becton, Box 3792, TE 2-9372, Box 22, Newport, NC
 Garner, James Clifton Jr., SO, EE, 333 Bagwell, Box 3399, TE 4-9151, 306 Woodlawn Ave., Weldon, NC
 *Garren, Donald L., JR, ME, 1508 Frank Rd., TE 2-9110, 3650 Cornell, Winston-Salem, NC
 Garrett, James Thomas, SO, AGP, 317 Alexander, Box 4180, TE 2-9349, Box 259, Liberty, NC
 Garrett, Jesse Richard, FR, ME, 302 Syme, Box 3566, TE 2-8222, 310 C. C. Rd., Ahoskie, NC

Garriek, Joe Clifton, FR, MEA, 261 Tucker, Box 4728, TE 2-9387, 200 Bartley Ave., Spindale, NC
 Garrison, George Walker Jr., FR, MEA, 105 Beeton, Box 3705, TE 2-9256, 502 W. Sharpe, Statesville, NC
 Garrison, Charles Holt, JR, GEE, 2512 Clark Ave., TE 2-4843, Box 302, Haw River, NC
 *Garrison, Colleen Buff (Mrs.), SR, CE, 23 D-Vetville, TE 2-3476, E. Main St., Lincolnton, NC
 *Garrison, Mervin James, FR, ME, 151 Tucker, Box 4658, TE 2-9388, 309 Tucker, Winston-Salem, NC
 *Garrison, William Ernest Jr., SR, CEC, 23 D-Vetville, E. Main St., Lincolnton, NC
 Garwood, William Ray, SO, CHE, 306 Tucker, Box 4239, TE 2-9323, 16 Erwin St., Cooleseme, NC
 Gaskill, Seth Bridgman Jr., SR, IE, 2243 Circle Dr., TE 3-6157, Raleigh, NC
 *Gaskins, Roger Buers, Box 638, Cary, NC, Box 3243, Fayetteville, NC
 Gatewood, Henry Horace, JR, CE, 304 Bagwell, Box 3370, TE 2-6234, 2623 Old Lex. Rd., Winston-Salem
 *Gatling, William Gladstone, GR, SOC, 212 Gold, Box 3224, 1422 Penn. Ave., Durham, NC
 Gay, Charles Houston, SO, MEA, 323 Tucker, Box 4554, TE 4-9779, 143 Hartley Pl., Charlotte, NC
 Gay, John Gilbert, SR, AED, 2718 Clark Ave., TE 2-7840, Rt 2, Walstonburg, NC
 *Gaylor, David William, GR, EST, 2311 Lyon St., TE 2-8736, Raleigh, NC
 Gee, Charles Daniel, FR, EPY, 103 Tucker, Box 4618, TE 2-7833, 1552 Granville, Burlington, NC
 Gegner, William Raymond, FR, E, 321 Tucker, Box 4752, TE 2-9323, 724 Irving, Secaucus, N. J.
 Gentry, Carl Smith, SR, FC, 2718 Clark, TE 3-4545, Maxton, NC
 Gentry, Charles O'Braint, SO, TC, 2402½ Everett Ave., Box 103, Ca-Vel, NC
 *Gentry, Howell Oscar Jr., JR, AI, 2706 Clark Ave., TE 2-1056, Raleigh, NC
 Gentry, James Bryan, EMA, 19 Syme, Box 3615, TE 2-9421, Rt 1, Box 20, West Jefferson, NC
 Gentry, John Maury, SO, CE, 120 Bagwell, Box 3320, TE 2-9412, Rt. 2, Roxboro, NC
 George, Critz Horton, JR, NE, 2106 Breeze Rd., TE 2-1567, Raleigh, NC
 George, Douglas Alexander, SO, CE, 18½ Horne St., TE 4-7470, 2015 Roanoke Dr., Greensboro, NC
 *George, Robert Lenwood Jr., SR, FMM, K3A Cameron Ct., TE 2-8676, 929 Washington, Roanoke Rapids
 George, Robert Michael, JR, MEA, 18½ Horne, TE 4-7470, 2015 Roanoke Dr., Greensboro, NC
 *Gerald, John O'Neil, GR, AG, 202 Gold, Box 3214, TE 2-9263, 3901 13th St., So., Arlington, Va.
 *Gerstleeva, D. U., GR, RS, 1410 Duplin Rd., TE 4-2155, Raleigh, NC
 Gettys, Joe Cornwell, JR, ME, 128 Owen, Box 4423, TE 2-9437, 200 Lee St., Shelby, NC
 Ghazi, Mohamedrasa Abdelaziz, Institute of Statistics, Alumni Bldg., Cairo, Egypt
 Ghaever, Harold Birger, GR, AGC, 304 Gold, Box 3228, TE 2-9263, Lyseskrenten 8, Oslo, Norway.
 Gibbon, Edward Lee, JR, FOM, 222 Beeton, Box 3756, TE 2-9334, 1420 Nottoway Ave., Richmond, Va.
 *Gibbs, Clarence Lee, ME, Manns Harbor, NC
 Gibbs, Russell Wayne, FR, ME, 25 Beeton, Box 3826, TE 2-9621, Rt 1, Box 112, Engelhard, NC
 Gibson, Claude Andrew, FR, IRR, 214 Syme, Box 3546, TE 2-9150, 978 Haywood Rd., Asheville, NC
 Gibson, Gerald Warren, JR, EE, 2232 Hillsboro, TE 4-6591, Box 324, Laurinburg, NC
 Gibson, Harry Jackson, SO, EE, 127 W. Park Dr., TE 3-6671, Rt 3, Box 141, Laurinburg, NC
 Gibson, John Wayne, FR, MEA, 328 Syme, Box 3592, TE 2-9222, 705 Floyd, Fairmont, NC
 Gibson, Paul Crawford, FR, MEA, 220 Beeton, Box 3754, TE 2-9334, Rt 2, Rockingham, NC
 Gibson, Peter Murray, FR, EE, 210 Bagwell, Box 3342, TE 2-9131, Rt 2, Box 58, Laurel Hill, NC
 Gibson, Raleigh Jack Jr., FR, EE, 207 Alexander, Box 4138, TE 4-9246, Sandy Ridge, NC
 *Gibson, Ralph, 3821 Western Blvd., Raleigh, NC
 Gidney, Robert Sarraat, FR, CE, 56 Tucker, Box 4806, TE 2-9136, 401 E. Marion, Shelby, NC
 Giersch, Robert Van Cleve, FR, E, 330 Beeton, Box 3798, TE 2-9372, 2710 Briarcliff Pl., Charlotte, NC
 Gieseman, Raymond W., GR, AGC, 202 Ashe Ave., Williamstown, Kan.
 Gilbert, Harold Randolph, SO, ME, 24 Beeton, Box 3825, TE 2-9131, 309 Maryland Ave., Tarboro, NC
 Gilbert, Richard Olmstead, JR, FOM, 117 Turlington, TE 4-9779, Olmstead Hill Rd., Wilton, Conn.
 Giles, Harrison Alexander, SO, NE, 312 Owen, Box 4528, TE 4-9836, Rt 2, Box 586, Roanoke Rapids, NC
 Giles, Jose Aletandro, GR, GN, 204 W. Edenton, TE 4-0239, 762 Ricardo Palma, Miraflores, Lima, Peru.
 Gilgo, Horace Paul, SO, EE, 109 Oberlin Rd., Box 434, Oriental, NC
 Gill, Charles, Herbert, JR, EE, 125 Hawthorne Rd., TE 2-1183, 2122 Crescent Ave., Charlotte, NC
 Gill, John Allen, FR, MED, 347 Tucker, Box 4774, TE 2-9323, 315 Turnpike Ave., Clearfield, Penn.
 Gill, Larry Allen, FR, IRR, 309 Berry, Box 4329, TE 2-9363, 3123 Masonic Dr., Greensboro, NC
 *Gilland, Kenneth Larry, SO, CEC, Apt C 302 Boylan, VA 8-2241, Raleigh, NC
 Gilland, Ralph Lynwood, PROF, ARC, 2220 Hillsboro, 1402 Iris Dr., Charlotte, NC
 Gilleskie, Alexander John, FR, IA, 217 Turlington, Box 4245, TE 2-9297, Garfield St., Heidelberg, Pa.
 Gilley, James Howard, SO, NE, 305 Alexander, Box 4171, TE 2-9349, 209 Bason, Swepsonville, NC
 Gilliam, Arthur Weldon, GR, WT, 2712 Vanderbilt, TE 2-1952, 300 Second Ave., Farmville, Va.
 Gilliam, David Dolian, FR, EE, 17 Beeton, Box 3819, TE 2-9261, 402 Chapel Hill Rd., Burlington, NC
 Gilliam, Ivey Wilson, PROF, CHE, 237 Tucker, Box 4717, TE 2-9387, Box 561, Graham, NC
 *Gilliam, James Dagny, SR, AIP, 915 Wilmington Terrace, TE 2-3055, 1404 Sunset Ave., Rocky Mount
 Gilmore, Thomas O'Dell, JR, HRT, 106 Horne St., TE 2-1887, Julian, NC
 *Ginn, Harvey Devereaux, SO, AH, Rt 3, Arvin's Tourist Court, Rt 3, Snow Hill, NC
 Giraudo, Lawrence Bernard, FR, UN, 216 Watauga, Box 3034, TE 2-9132, 32-66 87 St., Jackson Hgts., NY
 *Girazy, William K., FR, CEC, 2512 Clark Ave., 621 Park Ave., Greensboro, NC
 Givetz, Stanley Spencer, SO, TC, 227 Turlington, Box 4255, TE 2-9297, Rt 1, Box 195, Winston-Salem
 *Glass, James Monroe, JR, HAC, Rt 1, Cary, HO 7-9493, 1600 Asheboro, Greensboro, NC
 Glass, Phillip Dean, SR, FOM, 1501 Benchan St., TE 4-0271, Box 47, Carlisle, Ohio
 *Gledhill, Vernal H., GR, S, UK 39 Vetville, TE 4-8125, 6937 Kester, Van Nuys, Calif.
 Glenn, Gordon Jr., JR, EE, 154 Owen, Box 4445, TE 2-9115, 91 Fenner Ave., Asheville, NC.
 Glenn, Victor Emerson II, JR, IE, 133 Beeton, Box 3733, TE 2-9256, Rt 5, Durham, NC
 Glover, William Brenard, SO, CHE, 364 Owen, Box 4575, TE 4-9836, 2428 Barry St., Charlotte, NC
 Gluhtz, Douglas Marvin, GR, NE, 900 W. Johnson, TE 2-7423, Box 302, Rt 2, Fairfax, Va.
 Goad, Otis Edwin Jr., JR, EE, 9 Stadium, Box 4354, TE 4-9803, Box 733, Mount Airy, NC
 Godfrey, Homer Jerry, SO, CHE, 9 Berry, Box 4342, TE 2-9350, 3417 Ritch Ave., Charlotte, NC
 Godley, Riley Osborn, JR, EE, 102 W. Weatherspoon, SP 4-2042, Sanford, NC
 Godley, Robert Baird, JR, CEC, 119 Hawthorne Rd., TE 2-2408, Box 256, Wrightsville Beach, NC
 Godwin, Jackson Arnold, FR, GEE, 1618 Park Dr., TE 3-3756, Raleigh, NC
 Godwin, James Averon Jr., SO, ME, 217 Syme, Box 3549, TE 2-9150, Box 10, New Topsail Beach, NC
 Godwin, Thomas Howard, FR, ME, 103 Berry, Box 4304, Clinton, NC
 *Goetz, Alfred J., UNC, 615 Stacy St., TE 2-5861, Raleigh, NC
 *Goff, Benjamin Ransom, SO, IE, 112 Harrison Ave., Raleigh, NC
 Goff, Robert Fisher, JR, FMM, 3414 Hillsboro, TE 3-4808, 409 W. Haren St., Ayden, NC
 Goldberg, Stanley Bernard, FR, TX, 348 Owen, Box 4559, TE 4-4300, 1376 Highlands Ave., Fall River, Mass.

Goldin, Joel Abraham, JR, EE, 519 E. Lane, TE 3-1860, Raleigh, NC
 Goldstein, Lawrence, FR, CE, Tucker, Box 4775, TE 2-9323, 174 Cedar St., Mooresville, NC
 Gomborov, Barry Lee, JR, TX, 304 E. Park Dr., TE 2-7638, 3814 Chatham Rd., Baltimore, Md.
 Gomez, Chscso Gustavo Alberto, JR, CHE, 131 Syme, Box 5554, TE 2-9288, Banco Nacional de Nie,
 Managua, Nicaragua.
 Gomez, Ramon, JR, IE, 2724 Clark, Box 5712, Tirry 26, Matanzas, Cuba.
 Goncalves, Roberto Joao, FR, FOR, 504 N. Person, Box 1, Rua Peru 322, Sao Paulo, S. P.
 *Gonzalez, Benjamin Rodriguez, 311 Berry, Box 4331, TE 2-9372, 43 E. Fernandez, San Juan, Philippines
 *Gonzalez, Diaz Carlos, SR, TX, 117 S. Boylan, Box 5084, Sonora 149, Mexico D. F.
 *Gonzalez, Eugenio E., UN, FC, 3106 Douglass St., Ave. C. No. 4414, Havana, Cuba.
 Gonzalez, Guillermo, FR, AG, 322 Turlington, Box 4219, Apartado 9, Bogota, Colombia
 Gonzalez, Manuel, FR, TX, 310 Berry, Box 4330, TE 2-9363, Box 124, Monterrey, Mexico
 Good, George Edward, SO, AG, 110 E. Park Dr., TE 4-4245, Rt. 2, Delmar, Del.
 *Goode, Lemuel, 218 Park Hall, 2303 Clark Ave., Raleigh, NC
 Goode, Thomas Frank, JR, FR, EE, 110 Gold, Box 3210, TE 2-9623, Box 212, Valdease, NC
 Goodin, Thomas Haywood Jr., SO, NE, 105 Watauga, Box 3005, TE 2-9447, 510 W. Sharpe, Statesville
 *Gooding, Guy Vernon, GR, PP, UK 26 Vetville, TE 3-9940, Kenosville, NC
 Gooding, William B. Jr., FR, AS, 129 Tucker, Box 4640, TE 2-9388, Oriental, NC
 Goodman, John Cameron, SO, WPM, 1720 Hillsboro, TE 4-0451, 501 Maupin Ave., Salisbury, NC
 Goodman, John Michael, SO, NE, 2601 Van Dyke, TE 2-0286, Raleigh, NC
 Goodman, Tobias Westwood, JR, GEE, 2601 Van Dyke, TE 2-0286, Raleigh, NC
 *Goodnight, Floyd Edwin, JR, EE, 702½ W. Morgan, VA 8-2987, Rt 2, Box 419, Concord, NC
 Goodnight, Parks Ray, Rt 1, Box 3, Chapel Hill, NC
 Goodrich, Thomas Winston III, FR, ME, 333 Tucker, Box 4764, TE 2-9323, Box 192, Carrboro, NC
 Goodson, Robert Lee, SO, EE, 355 Owen, Box 4566, TE 2-9464, Rt 3, Candler, NC
 Goodwin, Charles Buddy, SO, EE, 309 Turlington, Box 4272, TE 2-9192, 302 Amburst, High Point, NC
 Goodwin, Thomas Jerry, SO, IA, 209 Syme, Box 3541, TE 2-9150, Rt 4, Box 365, Durham, NC
 Goolsby, George Wilson, SR, IE, 1720 Hillsboro, TE 4-0451, 2554 Roswell Ave., Charlotte, NC
 *Gordon, Robert Lee, UNC, PHA, 3821 Western Blvd., Box 5446, Raleigh, NC
 Gordon, Sidney Homi Hon, SR, ME, 103 Gold, Box 3203, TE 2-9263, 325 McIver, Greensboro, NC
 Gore, Frank Landrum, Tucker, Box 4773, TE 2-9323, 308½ Fayetteville, Rockingham, NC
 Gore, Hugh Thomas, FR, FOR, 213 Berry, Box 4320, TE 2-9363, Rt 3, Tabor City, NC
 Gore, Ira Carroll, FR, AED, 1313 Hillsboro, TE 2-2663, Rt 3, Box 180, Tabor City, NC
 Gore, Joseph Paul, SR, AG, 106 Berry, Box 4306, TE 2-9363, Clanendon, NC
 Gore, Lennor Leroy, FR, NE, 307 Tucker, Box 4704, TE 2-9323, Box 13, Hickory, NC
 Gorham, John Churchill Jr., UN, GS, 207 Syme, Box 3539, TE 2-9150, 712 Rose, Rocky Mount, NC
 *Gorman, Ray Howard, JR, CE, 14½ Turner St., TE 2-4359, Raleigh, NC
 *Gormley, Robert John, SO, TX, 515 N. Bloodworth Ave., TE 2-7417, 131 Betsy Wms. Dr., Cranston, NC
 *Gossett, Dorsey McPeake, GR, FC, H-1 Shelton Apts., TE 2-3346, Rt 3, Holladay, Tenn.
 Goswick, Carl Raymond Jr., EE, 326 Owen, Box 4541, TE 4-9300, 1824 Newton Rd., Durham, NC
 Gotuaco, Charles, JR, TC, 318 Turlington, Box 5051, Haivila, Phil.
 Goudie, Richard Blaine, SR, TX, 103 Owen, Box 4402, TE 2-9115, 234 Stuart Ave., Downingtown, Pa.
 Gough, Wayne Earl, SR, IE, 202 Alexander, Box 4134, TE 4-9746, 2240 Glenn Ave., Winston-Salem, NC
 *Goulding, Virginia Richardson, UN, ED, 1512 Carr, TE 2-8670, Raleigh, NC
 Gower, Dan Carroll, FR, MEA, 3309 Garner Rd., TE 3-1377, Raleigh, NC
 *Grady, Charles Robert, SR, FOM, 719 Virginia Ave., TE 3-7203, Raleigh, NC
 *Grady, Paul Davis III, JR, IA, 1706 Dare St., TE 4-8184, Raleigh, NC
 *Grady, Warren Allen, SR, IRR, 702 W. Morgan, TE 4-7842, Slocumb St., Goldsboro, NC
 Gragg, Bobby George, SR, MEA, 300-D Chamberlain, TE 2-4843, Rt 3, Greensboro, NC
 Graham, Charles Elbridge Jr., FR, AG, 256 Owen, Box 4507, TE 2-9252, Rt 1, Linwood, NC
 Graham, James Lee, FR, CE, 139 Owen, Box 4433, TE 2-9437, Box 151, Yadkinville, NC
 Graham, Michael Henry, FR, NE, 67 Tucker, Box 4816, TE 2-9186, 1020 Vanhoy, Winston-Salem, NC
 Graham, Phillip Ray, FR, CE, 139 Owen, Box 4433, TE 2-9437, Box 151, Yadkinville, NC
 Graham, William Alexander, SR, NE, 3414 Hillsboro, TE 3-4808, 726 Bromley Rd., Charlotte, NC
 Graham, William DeWitt, JR, DM, 115 Owen, Box 4410, TE 2-9115, Mt. Ulla, NC
 Grainger, Luther Milton, SR, CHE, 204 March Ave., TE 2-0554, Raleigh, NC
 Grant, Eric Gryson, FR, EE, 124 Syme, Box 3524, TE 4-9300, 112B E. Summit Ave., Burlington, NC
 Grant, Eugene Bowers Jr., FR, CE, 231 Becton, Box 3765, TE 2-9334, Box 4, Jackson, NC
 Grant, Richard Oscar, SR, IE, 1710 Hillsboro, TE 4-2601, 1301 Azeala Dr., Wilmington, NC
 Grantham, Paul Alexander, FR, WCM, 330 Syme, Box 3594, TE 2-9222, 1311 E. Beech St., Goldsboro
 *Grathwol, William Hauley, SR, NE, 9-C Vetville, TE 4-6063, 1422 Brondbridge Ave., Stratford, Conn.
 Graves, Edward Lipscomb, FR, EE, 328 Alexander, Box 4191, TE 2-9349, Box 325, Greensboro, NC
 *Graves, Richard Lee, SR, TX, 140 Alexander, Box 4132, TE 2-9257, Rt 3, Denton, NC
 *Gray, Carroll R., SR, ME, 18 E. Vetville, TE 4-8391, 1002 Tuscavora Ave., Elizabeth City, NC
 Gray, Curtis Holland Jr., FR, CHE, 228 Turlington, Box 4256, TE 2-9297, Box 152, Fremont, NC
 Gray, Erving Harrison, FR, EE, 233 Turlington, Box 4260, TE 2-9297, Avon, NC
 *Gray, Jack Norman, SO, CHE, 701 E. Franklin, 114 Union Ave., Williamston, NC
 Gray, Jasper Lee, SR, CE, 2220½ Hillsboro, Rt 2, Box 227, Edenton, NC
 Gray, William Hugh, JR, EE, 336 Alexander, Box 4198, TE 2-9349, Rt 1, Box 391, Supply, NC
 *Green, Charles Earl, JR, EE, 2211 Brewer, Raleigh, NC
 Green, Gilmer Glenn, SO, FOR, 225 Turlington, Box 4253, TE 2-9297, 2606 Sater, Durham, NC
 Green, Malcolm Alston, FR, EE, 314 Tucker, Box 4745, TE 4-9739, 2606 Sater, Durham, NC
 *Green, Oscar Pryor, JR, ME, 2429 Greenway Ave., TE 4-3326, Raleigh, NC
 Green, Richard Edward, JR, EE, 216 Hillcrest Rd., TE 3-4993, Rt 1, Wavnesville, NC
 Green, Thomas Sweet, FR, CE, 215 Owen, Box 4470, TE 2-9410, Butner, NC
 Green, William Harold, SR, AG, AN 9-9269, Rt 4, Zebulon, NC
 Greene, Alton Cutchin Jr., SO, CE, Gagwell, Box 3346, TE 2-9131, Box 87, Maxton, NC
 Greene, Charles William, FR, NE, 307 Owen, Box 4524, TE 4-9836, 26 Orange St., Canton, NC
 Greene, Chesley McAulay, JR, HRT, 304 Owen, Box 4521, TE 2-9464, Rt 3, Box 180, Mt. Gilead, NC
 Greene, Donald Neal, JR, MEA & EMA, 225 Forest Rd., Box 723, High Point, NC
 Greene, Frederick William, FR, EE, 328 Alexander, Box 4191, TE 2-9349, 302 N. Holden Rd., Greensboro
 *Greene, William Bernard, 2313 Yancey, Raleigh, NC
 Gregg, Roger Allen, SO, MTE, 1620 Hillsboro, Box 5042, TE 2-9531, 101 Grandview, Lenoir, NC

*Gregg, Stewart Warren, FR, FOR, 9-A Vetville, TE 3-7716, 101 Grandview, Lenoir, NC
 *Gregory, Frederick Harrison, GR, NE, 807 A Daniels, TE 4-7587, Galifax, NC
 *Gregory, James Jr., 12 Dixie Dr., TE 4-0368, Raleigh, NC
 *Gregory, James W. P. Jr., UNC, EE, 3103 Raymond, 59 Westgate Rd., Asheville, NC
 *Gregory, John Hayes, 216 Polk, 2402 Greenway Terrace
 *Gregory, Max Edwin, GR, PM, Co6-2227, Nightdale, NC
 Gregson, James Dwight Jr., SO, IA, 301 Alexander, Box 4167, TE 2-9349, Box 1026, Liberty, NC
 Greiner, James Coleman, SO, IRR, 2601 Clark, TE 2-8631, 3401 Hawthorne Ave., Richmond, Va.
 Gresham, Samuel I. III, FR, ME, 238 Owen, Box 4492, TE 2-9252, 11 Colonial Dr., Wilmington, NC
 Greyer, Peyton Chappeller, SO, ARC, 3116 Glenwood Ave., VA 8-2079, Raleigh, NC
 *Grieder, William Frederick, FR, EE, 2330 Grant, TE 3-0566, Raleigh, NC
 Grieger, Frederick, SO, DN, 2411 1/2 Everette, TE 2-1812, 2851 Sedgwick Ave., New York, NY
 *Grier, Harry Glenroy Jr., SO, FFM, 12 1/2 Boylan, VA 8-2092, Raleigh, NC
 Grier, James Brown, SR, CEC, 220 Tucker, Box 4691, TE 2-9312, Rt. 3, Box 133, Charlotte, NC
 Griffin, Charles Harvey, FR, ME, 2701 Clark, TE 2-7756, Marshville, NC
 Griffin, Charles Roy Jr., JR, EE, 221 Syme, Box 3553, TE 2-9150, Pinetops, NC
 *Griffin, Daniel Martin, SR, EE, 10-G Vetville, Rt 4, Box 70, Lenoir, NC
 *Griffin, Eugene Leven Jr., JR, ME, 19-D Vetville, 2640 Laburnum Ave., Charlotte, NC
 Griffin, Frank Michael, FR, TX, 153 Owen, Box 4444, TE 2-9437, Box 123, Columbia, NC
 Griffin, James Randolph Jr., FR, EE, 201 Beeton, Box 3735, TE 2-9334, Bervenue Rd., Rocky Mount, NC
 Griffin, Lonnie J., SR, TXM, 112 Turlington, Box 4209, TE 4-9279, 503 N. McLewean, Kinston, NC
 Griffis, Richard Haywood, SO, AG, 51 Dixie Dr., TE 3-1965, Raleigh, NC
 Griffith, Dewey Maurice, JR, ME, 123 Tucker, Box 4634, TE 2-9388, 111 N. Eastern, Greenville, NC
 *Grimes, Jesse Floyd, Pikeville, NC
 *Grimmer, Harry Clinton, SO, IE, 117 N. McDowell, Apt. 4, Willard, NC
 Grimsley, Daniel Lawrence, FR, FOR, 8 Ferndell La. TE 2-1755, Rt 1, Acme, NC
 Griswold, Collier Joseph, SR, HAC, Nazareth Roral Station, TE 4-8645, Raleigh, NC
 *Griswold, Richard Freeman Jr., JR, CEC, 2658 Oberlin Rd., TE 4-3372, 606 E. Beech, Goldsboro, NC
 *Groat, James Frank Jr., SR, MEA, 500 Whitaker Mill Rd., TE 2-8779, Raleigh, NC
 Groce, Clarence Rogers, JR, EE, 132 Owen, Box 4427, TE 2-9437, Rt 2, Yadkinville, NC
 Grogan, John Henry Jr., 720 St. Mary's, TE 2-2677, Raleigh, NC
 Gross, James Koehler, FR, CHE, 204 Turlington, Box 4235, TE 2-9297, 215 Anthony Cir., Charlotte, NC
 *Gross, Joseph Samuel, SO, EE, 201 1/2 Park Ave., Raleigh, NC
 Grubb, Hovie Ossas, FR, IA, 334 Bagwell Box 3400, TE 4-9151, 501 Fisher Ferry, Thomasville, NC
 Gruzdis, James Vincent, FR, MEA, 129 Syme, Box 3529, TE 2-9288, 208 Kinney, Thomasville, NC
 Gwyder, Reid Kent, FR, NE, 220 Beeton, Box 3754, TE 2-9334, 306 N. Randolph, Rockingham, NC
 *Grzebień, Joseph Francis, SR, CE, Rt 6, TE 3-1715, Raleigh, NC
 Guerinio, Joseph Anthony, SO, ARC, 122 Park Ave., 49 Pearl St., Milford, Mass.
 *Guerra, Hector Elias, 206 Woodburn Rd., Sola 404, Habana, Cuba.
 Guerrieri, Anthony Michael, JR, IRR, 59 Owen, Box 4593, TE 2-9115, 386 Highland Pk., Orange, NJ
 Guerrieri, Thomas J., SR, IRR, 102 Beeton, Box 1735, 723 Jones Ave., N. Braddock, Pa.
 *Gues, E. James, 2722 Fairview, Raleigh, NC
 Guiffery, William Robert, SO, IE, 302 Bagwell, Box 3368, TE 4-9151, 2707 Richard, Greensboro, NC
 Gunn, Johnnie Oliver Jr., FR, ME, 207 Bagwell, Box 3339, TE 2-9131, Box 128, Yanceyville, NC
 *Gunnell, Douglas Leroy, FR, HAC, 2528 Wake Dr., TE 4-8064, Raleigh, NC
 Gunter, Herman Curtis, JR, IE, Rt 1, Tel., 703-M1, Fuquay Springs, NC
 Gunter, Layton Herbert Jr., JR, CE, 1710 Hillsboro, TE 4-2001, Box 288, Graham, NC
 Gunter, Thomas Holland, SO, TC, 208 Jones-Franklin Rd., TE 3-5282, Raleigh, NC
 Gupton, Charles Derrnell, FR, MEA, 331 Tucker, Box 4762, TE 4-9739, Rt 1, Gastalia, NC
 Gupton, Ollie Joseph Jr., JR, DH, 2100 Hillsboro, TE 4-6094, Rt 2, Louisburg, NC
 Gureanns, Clyde Mitchell, FR, FOR, 118 Woodburn, TE 3-1328, Rt 1, Box 250, Williamston, NC
 *Gurranus, Ralph Franklin, SR, FOM, 29-E Vetville, Rt 1, Jacksonville, NC
 *Gurley, Edward Dewitt, GR, ME, UK-41 Vetville, TE 3-9467, Rt 2, Postie, NC
 Gurley, John Rex Jr., SR, MEA, 220 Turlington, Box 4248, TE 2-9279, 409 Price, Forest City, NC
 Gurley, Lawrence Ray, SR, CHE, 104 Dixie Trail, TE 2-3558, 312 Grantham, Goldsboro, NC
 Gurley, Richard Norwood, SR, CHE, 108 Welch, Box 3244, TE 2-9119, 608 W. 8th, Newton, NC
 Guth, Wendell Lee, JR, MEA, 2296 Hillsboro, TE 4-4137, Rt 2, Box 314, Elkin, NC
 Guthrie, Darrell Gene, FR, CE, 239 Turlington, Box 4264, TE 2-9297, Rt 2, Bessemer City, NC
 Guthrie, Norris Ronald, SR, ARC, 10 Enterprise, TE 2-9836, Rt 10, Cliffside, Kingsport, Tenn.
 Gutierrez, Carlos Dario, SO, CHE, 362 Tucker, Box 4789, TE 4-9739, Box 25635, Mexico 12, D. F.
 *Gutierrez, Jose Sebastian, GR, EST, 3011 1/2 Hillsboro, 87 Adante Malabon, Rizal, Phil.
 Gwaltney, James Henry, JR, ME, 309 N. King Charles Rd., TE 3-1121, 2945 Chapel Hill Rd., Durham, NC
 Gwaltney, Richard Clarke, FR, ME, 309 N. King Charles Rd., TE 3-1121, 2945 Chapel Hill Rd., Durham

Haas, Michael Austin, SO, GEE, 201 Turlington, Box 4232, TE 2-9297, 2 Woodland, Demarst, NJ
 Habeck, Dale Herbert, GR, ENT, 8 Ferndell Lane, TE 2-1775, Bowler, Wisconsin.
 Habib, Hasdar, JR, TC, 304 E. Park Dr., TE 2-0458, Calle N 328, Vedado, Habana, Cuba.
 Hackney, Glenn Burke Jr., FR, MEA, 215 Tucker, Box 4688, TE 2-9387, 109 Muirs Chapel, Greensboro
 Hackney, Hoyt Milton, SO, IE, 10 Berry, Box 4343, Sanford, NC
 Hackney, James Acra III, FR, EE, 219 Syme, Box 3551, TE 2-9150, 405 Market, Washington, NC
 Haddock, William Abraham, FR, MEA, 211 Beeton, Box 3722, TE 2-9256, 110 E. Bayshore, Jacksonville NC
 *Haddock, William Robert, SR, FC, 106 Ashe Ave., Rt 3, Box 444, Greenville, NC
 Hafer, Donald Nathan, SO, IRR, 101 Beeton, Box 3701, TE 2-9256, Broad St., Port Clinton, Pa.
 Hafer, Gunter B., SO, EE, 20 Stadium, Laurinburg, NC
 *Hafley, William L., UK 44 Vetville, Rt 1, Reidsville, Pa.
 *Hagaman, John Royce, FR, AG, 1611 Oberlin Rd., TE 2-9269, Raleigh, NC
 *Hager, Charles Ray, JR, ME, 106 Montzomerv, VA 8-2120, 210 W. Wash. Ave., Bessemer City, NC
 Hager, Robert Luther, FR, ME, 332 Beeton, Box 3800, TE 2-9379, Mt. Zion Rd., Alexis, NC
 Hager, Simon Brown, SO, CE, 310 Syme, Box 3533, TE 2-9222, Rt 1, Stanlev, NC
 Hager, Ted Eugene, FR, ME, 309 Welch, Box 3269, TE 2-9119, 218 E. Glendale Ave., Mt. Holly, NC
 Haerle, Donald Orlando, UN, GS, Box 5532, 600 Yale Dr., Bartlesville, Okla.
 Haerle, Gerald Enns, SR, CHE, 130 Woodburn Rd., TE 2-0351, 56 Woodrow Ave., Belmont, NC
 Hazwood, Charles McDonald, JR, CHE, 324 Syme, Box 3588, TE 2-9222, Rt 1, Youngsville, NC

Hagwood, Derle Grey, JR, CE, 1301 Rhamkatt Rd., TE 3-3626, Raleigh, NC
 Hainley, Bruce Thomas, JR, TX, 3414 Hillsboro, TE 3-4808, 105 Raxson Ave., Schoylkill Haven, Pa.
 *Haire, Roy Lawrence, SR, DM, 2402 Everett Ave., TE 4-5080, Raleigh, NC
 *Haislip, Edward Danny, FR, FOR, 203 Owen, Box 4460, TE 2-9410, 45 E. 12th, Roanoke Rapids, NC
 Hakimbaba, Morad, FR, EE, Box 5816, Seray Rashti, Teheran, Iran
 Hakimbaba, Naim, SO, EE, Box 5816, Shah Ave., Teheran, Iran
 Haldev, William Roy, FR, FOR, 214 Syme, Box 3546, TE 2-9150, Brinkley Ave., Plymouth, NC
 Hall, Augustus Steele, FR, IE, 405½ Brooks Ave., TE 3-2116, Raleigh, NC
 Hall, Charles Franklin, FR, DN, 322 Tucker, Box 4753, TE 4-9739, 21st St., Lumberton, NC
 *Hall, Charles M., 10-B Vetteville, TE 4-1140, Raleigh, NC
 Hall, Charles Roy, SO, TX, 115 Turlington, Box 4212, TE 4-9279, East Marion, NC
 *Hall, David John, SR, ARC, 602 Wayne Dr., 138 Woodbury Rd., Syosset, NY
 *Hall, Graham D., SR, EE, Hodge Trailer Park, Rt 2, Box 5211, 407 Westover, Lexington, NC
 Hall, James Allen, JR, EE, Becton, Box 3803, TE 2-9261, Box 36, Halifax, Va.
 Hall, James Eldon, FR, FOR, 231 Alexander, Box 4160, TE 4-9146, Box 66, Phillipsville, Canton, NC
 Hall, John Dwight, FR, ME, 123 Owen, Box 4418, TE 2-9437, 812 Barnes, Reidsville, NC
 Hall, John Lovell, GR, PPH, 415 Morrison, TE 2-6401, Raleigh, NC
 *Hall, Johnnie Wyattte, FR, ME, Cooper's Motor Court, Rt 1, Cary, NC
 Hall, Thomas David, FR, CE, 321 Alexander, Box 4181, TE 2-9349, Rt 1, Pineville, NC
 Hall, William Alexander, JR, TX, 3414 Hillsboro, TE 3-4800, Box 385, Hickory, NC
 Hall, William Franklin, JR, ID, 3800 Western Blvd., TE 4-4371, Box 104, Forest City, NC
 Hall, William Headley, FR, E, 15 Syme, Box 3611, TE 2-9421, Rt 1, Box 510, High Point, NC
 Hallman, George Wayne Jr., SO, ME, 303 Tucker, Box 4736, TE 2-9323, 2146 Princeton, Charlotte, NC
 Ham, Ann Louise, FR, MED, 2302 Hillsboro, TE 2-2741, Box 302, Black Mt., NC
 *Hamid, Gretchen Metz, GR, ED, 2228 Burnard, TE 4-5139, Summerfield, NC
 *Hamid, Hassan Abdul, GR, GN, 2228 Bernard, TE 4-5139, Gen. Dept. of Ag., Baghdad, Iraq
 Hamilton, Cecil Dane, FR, GEE, 1710 Hillsboro, TE 4-2001, Greenwood Place, Morganton, NC
 Hamilton, Henry Redd, JR, NE, 57 Tucker, Box 4807, TE 2-9186, 103 N. Pard Dr., Greensboro, NC
 *Hamilton, James Loyd, FR, EE, 3109 Hillsboro, Apt. A-4, TE 4-5027, Bethania, NC
 *Hamilton, Jean Antoinette, FR, ABC, 721 Georgetown Rd., TE 4-6882, 5109 Sequoia, Fayetteville, NC
 *Hamilton, Vance, SR, AED, 123 Ashe Ave., VA 8-2738, Rt 4, Rockingham, NC
 *Hamilton, Walter William, SR, HAC-ME, 21-F Vetteville, TE 4-4254, 712 South St., Gastonia, NC
 Hamm, John Jasper Jr., JR, MAG, 2210 Hope, 3448 S. Alston, Durham, NC
 Hammatt, George Howard, FR, EE, 321 Bagwell, Box 3387, TE 4-9151, 264 S. Union, Concord, NC
 Hammer, Allan, SO, ME, 107 Glenwood, TE 4-0544, 54 Corbin Pl., Brooklyn, NY
 *Hammer, Charles Wayne, FR, TX, 1315 Brooks, TE 4-1892, 517 N. Chatham, Siler City, NC
 *Hamml, Arthur James Jr., JR, ARC, 815-C Daniels, TE 4-0956, Raleigh, NC
 Hammond, Clyde Elery, FR, ME, 231 Bagwell, Box 3363, TE 2-9131, Rt 6, Lumberton, NC
 Hammond, James Gerald, SO, ME, 104 Bagwell, Box 3304, TE 2-9412, 1513-A Chimney Pk. Rd., Hendersonville, NC
 *Hammond, Larry W., SR, CHE, 801 W. Morgan, TE 3-9167, Hamlet, NC
 *Hammond, Leigh Hugh, GR, AGC, 1401 Beaver Dam Dr., Raleigh, NC
 *Hammond, Wayne Hobert, JR, CE, 414 St. Mary's, TE 3-5678, Raleigh, NC
 Hammond, Wilfred Allen, JR, CE, 222 Hillcrest Rd., TE 2-3429, Farmer Rural Sta., Asheboro, NC
 Hamner, Wilbourne Eshley, JR, ARC, 901 W. Johnson, TE 2-5154, 1245 20th, Newport News, Va.
 Hampton, Davey Gray, GR, IE, 2713 Clark Ave., 908 Shober, Winston-Salem, NC
 Hampton, George Forrest, GR, NE, 2712 Vanderbilt, TE 2-1952, E. Brow Rd., Signal Mtn., Tenn.
 Hampton, Glenn, JR, FOR, 229 Tucker, Box 4690, TE 2-9387, Box 663, Maryville, Tenn.
 Hampton, Kenneth Duane, SR, MEA, 306 Berry, Box 4326, TE 2-9363, 55 Longview Rd., Asheville, NC
 Hamrick, Colon Donald, FR, CE, 331 Tucker, Box 4762, TE 2-9323, Rt 3, Shelby, NC
 Hamrick, Flar Preston, FR, EE, 129 Alexander, Box 4124, TE 2-9275, Rt 2, Shelby, NC
 Hamrick, Herman Howard, FR, EE, 207 Tucker, Box 4680, TE 2-9387, 14 W. Randolph, Shelby, NC
 Hamrick, Vincent Arnold, FR, CE, 107 Owen, Box 4404, TE 2-9437, 180 Park Blvd., Winston-Salem, NC
 Han, Kwang Riul, GR, NE, 104 Gold, 116 Sokong Dong, Chung Ku, Seoul, Korea
 Han, Linus Kwang Riul, GR, NE, 3107 Hillsboro, Seoul, Korea
 Hancock, Ernest Vernon Jr., FR, AG, 229 Turl., Box 4257, TE 2-9297, 808 N. Church, Scotland Neck, NC
 *Hancock, Harvey Gray, JR, EE, 11-B Vetteville, Box 5662, 1407 Vashti, Winston-Salem, NC
 Hand, James Richardson, FR, MEA, 304 Alexander, Box 4170, TE 2-9349, Box 125, Lowell, NC
 *Haney, James Thomas, SR, CE, 22-C Vetteville, TE 4-0104, Rt 1, Box 184, Charlotte, NC
 *Haney, Joseph Donald, SR, CE, 3414 Hillsboro, TE 3-4808, 2133 Colony Rd., Charlotte, NC
 *Hanford, Rayvine, JR, NE, 501 N. Boundary, TE 4-0525, Raleigh, NC
 *Hannah, Harold Dean, FR, FOM, Rt 2, TE 3-7304, Waterville, NC
 Hannah, Joseph Lauriston, SR, MEA, 208 Berry, Box 4315, TE 2-9363, 211 Main, Waynesville, NC
 Harbinson, Edgar Neil, SO, NE, 306 Owen, Box 4523, TE 4-9300, 505 N. Main, Maiden, NC
 Hardage, John Harrelson, AG, 201 Welch, Box 3249, TE 2-9119, Norlina, NC
 Hardee, Amos Dalton, SO, CHE, 130 Alexander, Box 4125, TE 2-9257, Rt 3, Box 194, Greenville, NC
 Hardee, Charlie Boston, SO, NE, 132 Woodburn Rd., East Laurinburg, NC
 *Hardee, MacDonald, Box 638, HO 7-3952, Cary, NC
 Harding, Charles Baker, SR, FOM, 1710 Hillsboro, TE 4-2001, 110 State, Emporia, Va.
 *Harding, Roy Netham, SR, PPT, 21-A Vetteville, TE 41-8149, Raleigh, NC
 Harding, William Robert, JR, CE, 121 Becton, Box 3721, TE 2-9256, Rt 1, Chocowinity, NC
 *Hardison, Alvin McGowan, FR, EE, 56 Tucker, Box 4806, TE 2-9186, Rt 1, Williamston, NC
 Hardison, Gerald Dean, FR, PV, 316 Bagwell, Box 3382, TE 4-9151, Rt 2, Wallace, NC
 Hardison, James Walter, FR, GEE, 61 Tucker, Box 4811, TE 2-9367, W. Main, Williamston, NC
 Hardison, Joe William, FR, AED, 109 Pecton, Box 3709, TE 2-9256, Rt 7, Box 105, Fayetteville, NC
 Hardister, John Paul Jr., SO, EE, 216 Owen, Box 4471, TE 2-9410, 104 Cedar Ave., Kannapolis, NC
 Hardy, Martha Allen, FR, ARC, 2331 Lyon, TE 2-5650, Raleigh, NC
 Hardy, Ronald Gilbert, FR, EE, 2722 Vanderbilt, TE 3-0184, 903 Parrott Ave., Kinston, NC
 *Hardy, Thomas Lohmulla, 1201 Alma, Durham, NC
 *Hardy, William Keith, FR, MTE, 2303 McMullan Cir., TE 4-9968, Raleigh, NC
 Haritos, Tasso, SO, ME, 257 Tucker, Box 4724, TE 2-9387, 100 Prospect, Hackensack, NJ
 *Harkins, Walter Clyde, JR, EE, 1307 Dogwood La., TE 4-5594, Box 134, Valparaiso, Fla.
 Harley, Michael Arlen, SO, CHE, 102 Logan Ct., 1314 Belleau Wood St., Winston-Salem, NC

Harman, Frederick Otis, FR, IE, 233 Owen, Box 4488, TE 2-9252, Rt 2, Newton, NC
 *Harper, James Alexander, SO, EE, 819 Wilmington Ter., Rt 2, Box 193, Statesville, NC
 *Harper, Michael Burton, FR, LA, 329 Tucker, Box 4760, TE 4-9739, 920 Avon Rd., Winston-Salem, NC
 Harper, Willis Harold, JR, EE, 329 Beeton, Box 3797, TE 2-9372, 211 Jefferson, Rocky Mt., NC
 Harrahan, William Francis, SR, CE, 2405 Clark Ave., TE 2-6543, 95 Summers, Oyster Bay, NY
 *Harrawood, Paul, 105 W. Woodridge Dr., Durham, NC
 Harrell, Billy Niles, SR, AH, Owen, Box 4578, TE 2-1947, 1118 Sunset Crescent, Wilson, NC
 *Harrell, George Oliver, GR, CRE, 104 Page Hall, Ext. 249, 901 Lorimer Rd., Raleigh, NC
 Harrell, Marvin Randolph, SO, AG, 3300 Hall Place, Raleigh, NC
 Harrell, Ronald Cozart, SR, EE, 12 1/2 Bagwell Ave., 440 N. Daughtry, Rocky Mt., NC
 *Harrell, William Albright, SK, ME, 18-B Vetville, TE 4-8530, Grifton, NC
 Harrelson, Hugh Gene Jr., FR, TC, 327 Tucker, Box 4758, TE 4-9739, 230 Broad, Lexington, NC
 Harrett, Douglas Floyd, SO, IE, 167 Tucker, Box 4673, TE 2-9388, Nebo, NC
 *Harrill, James W., SR, EE, 809 B Daniels, TE 4-6886, 1607 Iredell Dr., Raleigh, NC
 Harrill, Jay Black Jr., FR, MEA, 56 Tucker, Box 4506, TE 4-9254, 120 Brookhill Rd., Shelby, NC
 Harrill, Thomas Lawson, FR, CE, 309 Beeton, Box 3777, TE 2-9372, Patterson Springs, NC
 Harriman, Arthur Joseph, FR, FOR, 214 Syme, Box 3546, TE 2-9150, 145 Hawthorne, Glen Ridge, NJ
 Harrington, Robert Lee Jr., SO, CHE, Stadium 18, Box 4363, TE 4-9803, 208 N. George, Goldsboro, NC
 Harrington, Charles Hal, SO, IRR, 126 Syme, Box 3526, TE 2-9288, St. Pauls, NC
 Harrington, Johnnie Mack, FR, CHE, 221 Owen, Box 4476, TE 2-9410, Rt 1, Ayden, NC
 Harrington, Roy Lee, JR, ME, Syme, Box 3609, 2219 Kann. Rd., Concord, NC
 Harrington, Tony Miller, FR, CHE, 225 Bagwell, Box 3357, TE 2-9131, Railroad Ave., Landis, NC
 *Harris, Alva Howard, GR, WCM, UK 25 Vetville, TE 2-8086, Raleigh, NC
 Harris, Billy Wade, FR, EE, 26 Beeton, Box 3728, TE 2-9261, 1608 Jackson, Durham, NC
 *Harris, Bob Vernon, SO, CHE, 114 Faircloth St., TE 2-0256, Raleigh, NC
 Harris, Claude Morris Jr., SR, ME, 211 Welch, Box 3259, TE 2-9119, 57 First St., Biltmore, NC
 Harris, Dennis Irvin Jr., FR, MEA, 304 Turlington, Box 4269, TE 2-9192, 302 Mead St., Greenville, NC
 Harris, Edwin Hawkins Jr., FR, EE, 51 Tucker, Box 4501, TE 2-9186, Rt 1, Kittrell, NC
 Harris, Fenner Joseph, JR, EE, 3200 Bedford Ave., TE 2-0207, E. 6th St., Washington, NC
 Harris, George A. Jr., 319 E. Main, Williamston, NC
 *Harris, Herbert Hunter, JR, AG, 2723 Cooleemee Dr., TE 3-1370, Raleigh, NC
 Harris, James Alvin, SO, TX, 2712 Vanderbilt Ave., 2535 Portland Ave., Charlotte, NC
 *Harris, James Edward, SR, CE, 31-E Vetville, 911 Lockland Ave., Winston-Salem, NC
 Harris, Jerry Sanders, SO, EE, 312 Berry, Box 4332, TE 2-9363, 331 N. Harvey, Washington, NC
 Harris, John Franklin, FR, MEA, 2917 Wade Ave., TE 4-9962, 306 W. Marion, Shelby, NC
 *Harris, John Henry, SR, NE, 2505 Stafford Ave., TE 3-3650, Raleigh, NC
 Harris, Larry Eugene, FR, CE, 232 Owen, Box 4487, TE 2-9252, Rt 8, Box 1130, Concord, NC
 Harris, Lawrence Jr., JR, NE, 3414 Hillsboro, TE 3-4808, 429 N. Main, Wake Forest, NC
 Harris, Lyman Burwell Jr., SR, AGE, 222 Hillcrest Rd., TE 2-3429, Rt 2, Grifton, NC
 *Harris, Marvin Etheldred, SR, ME, 19-B Vetville, TE 2-9290, Mt. Gilead, NC
 Harris, Merrelle Washington, JR, AGC, 64 Owen, Box 4598, TE 2-9142, Rt 4, Box 118, Louisburg, NC
 Harris, Robert Harold, SR, IE, 21 Enterprise St., TE 2-7840, 1200 Tarboro St., Rocky Mount, NC
 *Harris, Roy Leonard, FR, GEE, W18-2414, Box 156, Robbins, NC
 Harris, Thomas Ivey, SO, EE, 381 Beeton, Box 3799, TE 2-9372, 138 Burwell Ave., Henderson, NC
 *Harris, Vernon Lafayette, SO, NE, Box 451, Lillington, 2256, 401 W. McNeill, Lillington, NC
 Harris, William Fleming, FR, IA, 215 Owen, Box 4470, TE 2-9410, North 104, Creedmoor, NC
 *Harrison, Billy Doyme, GR, MA, 2514 Vanderbilt Ave., VA 8-2744, Box 222, Vian, Okla.
 Harrison, Bruce Arthur, JR, WCM, 147 Owen, Box 4438, TE 2-9437, Box 429, Quitman, Ga.
 Harrison, Robert Crawford, SO, FOR, 306 Bagwell, Box 3372, TE 4-9151, 514 N. Gageworth, Greensboro, NC
 Harris, Andrew Jennings, FR, CHE, 150 Owen, Box 4441, TE 2-9115, 706 Essex Dr., Wilmington, NC
 *Harriss, George, JR, IE, 36-A Vetville, TE 3-1274, 2 N. 23rd, Wilmington, NC
 Harrod, Keith Raymond, SO, EMA, 2110 Tudor Pl., TE 4-4725, Raleigh, NC
 Hargrove, Norwood Oscar, SR, AED, Watauga, Box 3053, TE 2-9132, Rt 5, Clinton, NC
 Hart, Albert Stuart, SR, IATO, 3414 Hillsboro, TE 3-4808, 526 Parkway, High Point, NC
 *Hart, Donald Avery, SR, AGC, 227 Elm St., TE 2-7556, Rt 2, Lenoir, NC
 *Hart, Franklin Delano, JR, ME, Wilson's Trailer Park, Rt 4, TE 4-5070, Rt 2, Angier, NC
 *Hart, Neil Douglas, JR, EPY, 6 Fernell La., 500 Wilson Ave., Kinston, NC
 *Hart, Roger Zane, JR, AGE, 808 Peace Terrace, TE 4-8074, Raleigh, NC
 *Hartman, Loyal Merlyn, GR, AGC, 2413 Greenway Terrace, VA 8-2178, Raleigh, NC
 Harton, Arthur William, SR, NE, 252 Tucker, Box 4719, TE 2-9387, 751 Brown Ave., Albemarle, NC
 *Harton, Donald Lee, JR, UNC, 2718 1/2 Van Dyke Ave., TE 2-1541, Raleigh, NC
 Hartsell, Hal Craig Jr., FR, ME, 218 Tucker, Box 4689, TE 2-9387, Rt 1, Concord, NC
 Hartwig, Bernard Faulcon, JR, LA, 710 W. Jones, 412 Warren Cresc., Norfolk, Va.
 Hartzoge, George William, SO, NE, 207 Furches St., TE 2-2178, 932 4th St. Dr. NW, Hickory, NC
 *Harvey, James Robert, SO, CHE, 2108 Nelson, TE 4-9032, Raleigh, NC
 Harvey, Marion Lee, FR, EE, 301 Beeton, Box 3769, TE 2-9372, Rt 4, Thomasville, NC
 Harvey, Richard McEuen, JR, CEC, 2426 Hillsboro, TE 4-8084, 1501 Branch, Wilson, NC
 *Harward, Hurley Leon, JR, CE, 104 Horne, TE 4-2517, 606 W. Colonial, Elizabeth City, NC
 *Harward Joseph Harmon, SR, HAC, 999 St. Mary's, TE 2-8793, 606 W. Colonial, Elizabeth City, NC
 Harwell, Boyce Wayne, 1620 Hillsboro, Newton, NC
 Harwell, William Hayes, JR, CFC, 214 Owen, Box 4469, TE 2-9410, Rt 2, Box 478, Concord, NC
 *Harwin, Glenn Beckham Jr., GR, EE, 2504 Greenway Ave., TE 2-5173, Raleigh, NC
 Harwood, Clinton William, FR, LA, 4801 Western Blvd., TE 2-1677, Raleigh, NC
 Hasnain, Syed Ahmed, GR, NE, 310 Gold, TE 2-9263, 7 Rakshan Rd., Wash Cantt, W. Pakistan
 Hasnain, Syed Badrul, GR, NE, 309 Gold, Box 3233, TE 2-9363, 395 Pakistan Qtrs., Karachi, Pakistan
 Hassan, Zafar, SR, TX, 36 Dixie Dr., TE 3-4513, 47 Garden West, Karachi, Pakistan
 Hassel, Lawrence Ward, FR, TX, 330 Tucker, Box 4761, TE 4-9737, 313 Breazeale Ave., Mt. Olive, NC
 Hassell, Russell Eugene Jr., JR, IE, 6 Ferndale La., TE 2-2265, Box 55, Jamestown, NC
 *Hastings, Bobby Rav, FR, GS, Rt 7, Pinelake Mobile Homes, Halifax, NC
 Hastings, Jimmy Richardson, FR, ME, 330 Alexander, Box 4193, TE 2-9349, 109 Park, Morganton, NC
 Hastings, Robert Paul, SR, TX, 319 Bagwell, Box 3385, Rt 1, Lawndale, NC
 *Hasty, Dwight Wooford, SR, TX, 980 Wilmington Ter., 732 Pence, Laurinburg, NC

Hatch, Horace Hoover, SO, EE, 105 Welch, Box 3241, TE 2-9119, Box 288, Mt. Olive, NC
 Hatch, Joyce, FR, ENG, 2008 Hillsboro, TE 3-0875, Box 288, Mt. Olive, NC
 Hatchell, Stephen Thomas, FR, CE, 313 Becton, Box 3781, TE 2-9372, 512 E. 11th, Lumberton, NC
 Hatcher, Glen Carlton, JR, AGE, 105 Owen, Box 4403, TE 2-9437, Rt 2, Selma, NC
 Hathcock, Allan Conrad, FR, CEC, 201 Berry, Box 4308, Albemarle, NC
 *Hathorn, Frederic, AI, 119 N. Boylan Ave., Box 87, SL 1, Lafayette, La.
 Hathout, Mostafa Kamel, Animal Industry Dept., 2711 Barmettler, Raleigh, NC
 *Hatley, Larry Houston, JR, IA, 216 Hillcrest, TE 3-4993, 3709 Cameron Ave., Greensboro, NC
 Hatley, Wayne Douglas, FR, EE, 230 Tucker, Box 4701, TE 2-9387, Rt 5, Box 520-H, Charlotte, NC
 Haight, A. Earl Jr., GR, FOM, 311 Gold, Box 3235, TE 2-9263, Box 118, Follansbee, W. Va.
 Hauser, John Reid, SO, EE, 132 Woodburn St., Box 32001, Rt 1, Advance, NC
 Jaisser, Werner, SO, ARC, 2120 White Oak Rd., Raleigh, NC
 Havlicek, Joseph Jr., GT, AGC, 202 Ash Ave., Apt. 4, Jordan Rd., Rockfor, Ohio
 *Hawkins, George Wilbur Jr., 209 N. Driver, Durham, NC
 *Hawkins, James Ralph Jr., JR, EE, 1341 Chester, TE 3-6397, Raleigh, NC
 Hawkins, Kelly Frank, FR, NE, 206 Bagwell, Box 3338, TE 2-9131, Twin Oaks Blvd., Lafayette, La.
 *Hawkins, Parran Waldo, Rt 3, Roxboro, NC
 Hawkins, William Rainey Jr., JR, TX, 240 Alexander, TE 4-9746, 2017 WaWa, Durham, NC
 Hawley, Jimmy Vincent, SO, EE, 109 Alexander, Box 4107, TE 2-9257, 909 Parkwood, Charlotte, NC
 Haworth, David Swan, SR, CE, 2405 Clark, TE 2-6543, 207 20th, Lumberton, NC
 Hawthorth, Howard Harrison, GR, IPS, 353 Tucker, Box 4780, TE 4-9739, 213 Edgedale, High Point, NC
 Hay, Thomas Robert Jr., SO, EE, 207 Owen, Box 4464, TE 2-9410, Valletown, Andrews, NC
 Hayes, Harold Gilbert, SR, AED, 1710 Park Dr., Raleigh, NC
 Haygood, Chloe Earthan, FR, FOR, 230 Turlington, Box 4258, TE 2-9297, Rt 3, Box 41B, Winnsboro, NC
 *Haymes, Alton W., SO, CE, 2410 1/2 Van Dyke, TE 2-6582, Raleigh, NC
 *Haynes, Jimmy Pine, SR, CEC, 974 Harp Ter., TE 4-8380, Box 224, Pittsboro, NC
 Haynes, Johathon, SO, TX, 3414 Hillsboro, TE 4-5671, 31 Hoxsie Ct., West Warwick, RI
 Haynes, Larry Eugene, SR, NE, 222 Turlington, Box 4250, TE 2-9297, 20 Farris, Shelby, NC
 Haynes, William Causler, 2100 Hillsboro, Rt 3, Canton, NC
 *Haywood, Tommy Joe, SR, AED, 1010 Gorman, VA 8-2779, 1302 Goldmine Rd., Monroe, NC
 Hayworth, Frank Calvin, JR, 217 Becton, Box 3751, TE 2-9334, 225 Elm St., Salisbury, NC
 Hayworth, Thomas Luther, SR, WPM, 345 Tucker, Box 4723, TE 2-9323, Rt 1, High Point, NC
 Heafner, Edwin Zacheus, FR, CH, 328 Becton, Box 3796, TE 2-9372, Rt 7, Box 282, Charlotte, NC
 Heafner, James Patrick, FR, CHE, 328 Becton, Box 3796, TE 2-9372, Rt 7, Box 282, Charlotte, NC
 Heafner, John Franklin, SO, NE, 120 Owen, Box 4415, TE 2-9437, S. Elm St., Cherryville, NC
 Hearn, Chase Patterson, FR, EE, 2400 Greenway, TE 2-2122, Raleigh, NC
 *Heath, Bobby O'Dell, FR, EE, 307 Kinsey, Box 8, Wade, NC
 *Heath, Forrest Traynham, SR, AED, Stadium B, Box 7591, TE 2-7581-Ext. 312, Box 63, Acme, NC
 *Heath, John Cantey, SR, TX, 801-C Daniels, TE 3-0807, 610 Palmetto, Spartanburg, SC
 Heath, Roy Andrew, FR, IE, 201 Becton, Box 3735, TE 2-9334, Rt 1, Snow Hill, NC
 Heath, Winfred Allan, SR, ME, 2612 Clark Ave., TE 2-9484, 1505 Howard, Kinston, NC
 Hadden, Ray Oliver, FR, MEA, 326 Bagwell, Box 3392, TE 4-9151, Rt 2, Bryson City, NC
 *Hedgecock, Richard Lee, SO, CEC, Box 638, Cary, NC, Rt 1, Asheboro, NC
 Hedgepeth, Lloyd Martin, SR, HAC, 329 Becton, Box 3797, TE 2-9372, 825 S. Tillery, Rocky Mount, NC
 Hedrick, Dale Bryce, SO, DM, 118 Tucker, Box 4629, TE 2-9388, Rt 6, Lexington, NC
 Heffitt, George Edwin Jr., JR, ME, 137 Tucker, Box 4647, TE 2-9388, 910 John St., High Point, NC
 Heffner, Phillip Arnold, SO, NE, 306 Owen, Box 4523, TE 4-9300, 111 S. Main, Maiden, NC
 Hefner, Raymon Jenell,
 Heglar, Donald Ray, CE, Tucker, Box 4672, TE 2-9367, Grove St., China Grove, NC
 Heinbockel, John Henry, SR, NE, 1620 Hillsboro, Box 5042, TE 2-9531, 153 Castle Ridge Rd., Manhasset, NY
 Helms, Brian Belk, FR, NE, 335 Alexander, Box 4196, TE 2-9349, 524 Ashland Dr., Greensboro, NC
 Helms, Steven Anderson, SR, NE, 302 Alexander, Box 4168, TE 2-9349, 524 Ashland Dr., Greensboro, NC
 Helstrom, James Louis, FR, GG, 213 Syme, Box 3545, TE 2-9150, 132-38 82nd St., Ozme Park, NY
 Hembree, Stephen Carson, SO, CEC, 113 Watauga, Box 3013, Murphy, NC
 *Hendershott, Charles Henry Jr., GR, PPH, 3010 Farrior Rd., TE 4-5808
 Hendersson, Barry Colburn, SO, ME, 2512 Clark Ave., TE 2-4843, 526 33rd St., SW., Hickory, NC
 Hendersson, Billy Joe, JR, NE, 2400 Fairview, 502 Sherman, Texarkana, Texas
 Hendersson, George Colhoun, FR, FOR, 122 Tucker, Box 4633, TE 3-9388, Box 796, Manteo, NC
 *Hendersson, Hugh P., SR, EE, 938 Wilmington Terr., TE 4-2594, Raleigh, NC
 Hendersson, Leon Jr., SO, NE, 3414 Hillsboro, TE 3-4808, 2119 Bancroft Pl., Washington, DC
 *Hendersson, Maurice Edward, FR, IE, Rt 7, Old Wake Forest Rd., Box 10222, TE 4-8576, Raleigh, NC
 Hendersson, Otis Haywood Jr., SR, ME, 108 Syme, Box 3508, TE 2-9288, 828 Sedgefield Rd., Charlotte, NC
 Hendersson, Thomas Otis, SO, ABC, 2512 Clark Ave., TE 2-4843, 122 23th St. NW, Hickory, NC
 *Hendersson, William Dean, JR, ME, D-6 Raleigh Apts., TE 4-5539, Rt 1, Box 335, Walkertown, NC
 Hendrick, Dan E., SO, TX, 211 Alexander, Box 4140, TE 4-9746, 308 W. 4th, Smyre, Gastonia, NC
 Hendricks, Philip Monroe Jr., GR, AMA, 203 Gold, Box 3215, TE 2-9263, 1013 Greensboro St., Lexington
 Hendricks, Virginia Carolyn, 2120 White Oak Rd., TE 2-8695, 2039 Miller Rd., Huntington, W. Va.
 *Hendrix, Donald Edward, SR, ME, 7-D Vetteville, TE 4-2085, 112 N. Cedar St., Charlotte, NC
 Hendrix, James William, JR, S, 224 Owen, Box 4479, TE 2-9410, 2101 Evans St., Ext., Greenville, NC
 Henley, Amos Brooks, JR, ME, 211 Syme, Box 3543, TE 2-9150, Box 8, Linville, NC
 Henley, Herbert Carlisle Jr., SO, NE, 122 Syme, Box 3522, TE 2-9288, Rt 3, Box 189, Chapel Hill, NC
 Hennings, John Thomas, JR, MEA, 400 N. Person, Rt 1, Sanford, NC
 Henson, Douglas Bradley, SR, AI, 11 Maiden Lane, TE 4-3921, Vilas, NC
 Henson, James Austin, JR, TX, 2314 Hillsboro, Alex. Sub. Sta., Forest City, NC
 *Herbert, John Glenn, JR, CE, 25-E Vetteville, Box 5063, Raleigh, NC
 Heres, Garcia Celestino, SR, ME, 12 1/2 Bagwell Ave., TE 4-3291, Marti 56, Colon, Mtnas, Cuba
 Herman, Clarence Eugene, JR, CRE, 109 Gold, Box 3209, TE 2-9263, Rt 3, Box 298, Hickory, NC
 Jeram, William Evan, FR, EE, 233 Tucker, Box 4704, TE 2-9387, 30 Wolfe Cove Rd., Asheville, NC
 *Herrin, Benny Wilson, JR, HAC, 1916 Smallwood Dr., VA 8-2455, Raleigh, NC
 *Herring, Malcolm Lakoy, JR, IE, 1618 Hillsboro, TE 4-7689, Rt 4, Box 280, Wilson, NC
 *Herring, Rebecca Barnes (Mrs) GR, BE, 1618 Hillsboro, TE 4-7689, Raleigh, NC
 Herring, Thomas Woodrow, JR, CE, 167 Owen, Box 4457, TE 2-9437, Rt 3, LaGrange, NC

Herring, Travis Lloyd, FR, EE, 110 Bagwell, Box 3310, Rt 2, Seven Springs, NC
 *Hershey, Terry Lee, UN, E, Rt 1, Cary, TE 2-8458, Cary, NC
 Hester, Boyce Lee, SO, ME, 138 Alexander, Box 4130, Box 265, Stanley, NC
 Hester, Donald Larry, FR, EE, 138 Alexander, Box 4130 TE 2-9257, Stanley, NC
 Hester, Philip Gordon, JR, WCM, 14 Syme, Box 3610, TE 2-9321, 512 Leaskgurge Rd., Roxboro, NC
 Hetley, Oscar Edwood, SR, FC, 322 Tucker, Box 4753, TE 4-9739, Rt 3, Albemarle, NC
 Hewett, James Daniel, SO, NE, 330 Turlington, Box 4292, TE 2-9192, Box 675, Shallotte, NC
 Hewitt, Thomas Lee, SO, ME, 1620 Hillsboro, Box 5042, TE 2-0955, W. 6th St., Newton, NC
 *Hiatt, Andrew Jackson, GR, PPH, 2312 Grant Ave., Wildie, Ky.
 Hiatt, James Lawrence Jr., SO, MEA, 116 Tucker, Box 4627, TE 2-9833, Wilmington, NC
 Hibbard, Robert Freeman, JR, HAC, 1823 Arlington, TE 3-9057, Raleigh, NC
 Hickman, Frank George, SO, IA, 318 Syme, Box 3582, TE 2-9222, 514 Broad St., New Bern, NC
 Hicks, Charles Samuel, JR, CE, 118 Bagwell, Box 3318, TE 4-9219, Rt 1, Box 201, Newland, NC
 Hicks, Frank B. Jr., SR, CE, 2316 Hillsboro, TE 4-4173, Newland, NC
 Hicks, Gene Garvin, SO, ARC, 911 Lake Boone Tr., TE 3-3837, Raleigh, NC
 *Hicks, James Russell, FR, HRT, 524 N. Bloodworth, TE 2-3787, Rt 3, Lawndale, NC
 Hicks, Montague Hoskins Jr., SO, CHE, 2713 Lockmore Dr., TE 2-4778, Raleigh, NC
 Higdon, Thomas Nathaniel, FR, ARC, 303 Tucker, Box 4736, TE 2-9323, Golf View Dr., Franklin, NC
 Higgins, William Henry, SO, EE, 15 Maiden Lane, 1010 Willowbrook Dr., Greensboro, NC
 Highfill, Charles Thomas, SO, REC, 2126 Mayview Rd., 2104 Brice St., Greensboro, NC
 Hial, Ahmed Afif, SR, TX, 20 Syme, TE 2-9421, 24 Sebil St., Aleppe, Syria
 Hilbert, Jimmy Haun, SO, NE, 2410 1/2 Van Dyke Ave., TE 2-6582, 206 Northwood Cir., Durham, NC
 *Hilbourn, Theodore Osgood III, SR, FOM, 2206 Hope St., TE 2-0641, Raleigh, NC
 *Hilburn, David B. Jr., JR, CEC, 12-C Vetville, Bladenboro, NC
 Hill, Charles Henry, JR, IE, 6 Fendell La., TE 2-2265, 304 N. McLenon St., Kinston, NC
 Hill, Gladys Elaine, FR, ARC, 118 E. Park Dr., TE 3-3944, Raleigh, NC
 Hill, Horace Leon, JR, EE, 226 Becton, Box 3760, TE 2-9334, 846 Churchill Dr., Shelby, NC
 Hill, Hubert Fulton Jr., SO, EE, 406 N. Blount St., TE 4-5428, 2180 Gaston, Winston-Salem, NC
 *Hill, Hubert Ray, GR, WCM, 1932 Bernard, TE 4-0873, Raleigh, NC
 *Hill, James Tull Jr., JR, AIAG, 205 Grand Ave., TE 2-7689, Rt 1, Hookerton, NC
 Hill, Jerrold Watt, SO, EE, 309 Turlington, Box 4272, TE 2-9192, 405 Lindsay, High Point, NC
 Hill, John Sprunt II, SO, EE, 2702 Wayland Dr., TE 2-9433, Raleigh, NC
 Hill, John Young, FR, EE, 203 Becton, Box 3737, TE 2-9334, 232 W. Mills Ave., Mooresville, NC
 *Hill, Kenneth Lee, GR, FC, Box 203, Knightdale, NC
 Hill, Richard Ray Jr., JR, FC, 324 Owens, Box 4539, TE 2-9404, Rt 1, Youngsville, NC
 Hill, Robert Kendall, FR, MAG, 21 Stadium, Box 4366, TE 4-9803, Rt 1, Hookerton, NC
 Hill, William Carroll, SO, EE, 228 Owen, Box 4480, TE 2-9455, 216 E. Wernon, Kinston, NC
 Hill, William Fitzgerald, SR, DN, 120 Woodburn Rd., TE 3-5560, Florence, Ala.
 Hill, William Tommy, SO, CE, 63 Tucker, Box 4813, TE 4-9254, Rt 2, Mars Hill, NC
 *Hills, Charles Cross, SR, FOM, 716 W. North, TE 2-0767, Box 333, Georgetown, SC
 *Hilliard, Garland Kermitt, IA, 803 Brooks, TE 2-9961, Raleigh, NC
 Hines, Jack Donald, JR, EE, 2314 Hillsboro, TE 3-4106, 405 Harding, Spindale, NC
 Hinkel, Emory Ellsworth Jr., JR, ARC, 120 Syme, Box 3560, TE 2-9281, 1821 Cumberland Ave., Charlotte, NC
 Hinn, Garry William, FR, FMM&E, 363 Owen, Box 4574, TE 4-9836, 1 Berkeley Pl., Westport, Conn.
 *Hinschaw, Jerry Lloyd, JR, EE, E-1-B Shelton Apts., TE 4-2640, 1500 Andover Ave., Greensboro, NC
 Hinson, Clyde Keith, JR, AED, 238 Turlington, Box 4263, TE 2-9297, Rt 1, Oakboro, NC
 Hinson, Edwards Reid Jr., SO, PPT, 312 Tucker, Box 4684, TE 2-9387, 1421 Woodland Dr., Charlotte, NC
 Hinson, Jack D., SO, EE, 202 Becton, Box 3736, TE 2-9334, Fair Bluff, NC
 Hinson, James Kirby, JR, MEA, 128 Owen, Box 4423, TE 2-9115, 53 W. Ave., Wadesboro, NC
 Hinson, Thomas, FR, FOR, 203 Owen, Box 4460, TE 2-9410, Rt 2, Bessemer City, NC
 *Hinton, John Daniel, JR, HAC, 918 Harp Ter., TE 4-5679, 1331 W. Thomas, Rocky Mount, NC
 Hinz, Paul Norman, GR, WT, 123 Brooks Ave., TE 2-8764, 1601 Mack St., Tarentum, Pa.
 *Hipp, David E. Jr., PROF, ARC, F-1 Shelton Apts., TE 4-8278, Raleigh, NC
 *Hipp, Walter Nicholson Jr., SR, EE, 2912 O'Berry, TE 4-2410, 625 2nd St. NE, Hickory, NC
 Hirata, Robert Minsuo, SO, ARC, 307 Fourth, Box 3133, TE 2-9159, H 55 Chapel St., New Haven, Conn.
 Hite, Stephen McIntosh, FR, ARC, 305 Bagwell, Box 3371, TE 4-9151, 5416 Masefield Rd., Baltimore 29, Md.
 Hoadley, Arthur Bruce, FR, EM, 367 Tucker, Box 4793, TE 2-9323, 2313 Leonard, Raleigh, NC
 *Hodge, Willie Lee, FR, TC, Rt 1, Cary, NC, Rt 3, Rutherfordton, NC
 Hodges, Louis Curtis, FR, ME, 107 Ashe Ave., Rt 1, Dobson, NC
 Hodgins, James Nelson, FR, AG, 16 Syme, Box 3612, TE 2-9421, Box 84, Guilford, NC
 Hodgins, Jerry Edward, FR, IA, 16 Syme, Box 3612, TE 2-9421, Box 84, Guilford, NC
 Hoey, Clyde Roark II, FR, ME, 152 Tucker, Box 4659, TE 2-3988, 131 Brookhill Rd., Shelby, NC
 Hoeffcker, Frank LeRoy, FR, EE, 157 Owen, Box 4448, TE 2-9437, 25400 Country Club La., Charlotte, NC
 *Hoffman, Kenneth William, SR, GEE, 20-A Vetville, TE 4-8061, Raleigh, NC
 *Hoffman, Robert Lewis, SO, FOM, 215 Alexander, Box 4144, TE 4-9746, Gloucester Point, Va.
 Hoffman, Roy Edward Jr., FR, EE, 148 Tucker, Box 4655, TE 2-9361, Rt 8, Box 57, Charlotte, NC
 *Hoffman, Willman Stewart, SR, CE, 3314 Pollock Place, TE 4-9423, Raleigh, NC
 *Hofman, Alfred George, JR, PPT, 130 Hawthorne Rd., TE 4-7325, 2397 Grand Ave., New York, NY
 *Hofman, Paul A., GR, CE, 2405 Mayview Rd., Box 5795, TE 2-6126, Raleigh, NC
 *Hogan, Harvey Theodore Jr., 117 Bagwell, Box 3317, TE 4-9219, N. Main, Graham, NC
 *Hogan, Philip Gene, FR, EE, 213 Bagwell Box 3345, Norman, NC
 Hogan, Thomas Lee, FR, 325 Owen, Box 4540, TE 2-4300, Rt 2, Chapel Hill, NC
 Hogg, Thomas Grier, FR, MEA, 326 Turl., Box 4288, TE 4-8739, 209 Louise Ave., High Point, NC
 *Hohns, Charles Deutermann, SR, IA, 2550 Glenwood, TE 3-7154, 1-B Chateru Normandy, Scarsdale, NY
 *Hoke, Forney Moore Jr., JR, EE, 213 O'Neil St., 5342, Clayton, NC
 Hoke, Larry David, JR, ME, 117 Owen, Box 4412, TE 2-9115, Rt 3, Hickory, NC
 *Holden, Jesse Tyler, SO, CHE, 1606 Benehan, TE 4-4622, Raleigh, NC
 Holden, John Quinton, FR, ME, 123 Turlington, Box 4220, Shallotte, NC
 Holder, Roy Clifton, FR, AGE, 106 Horne, TE 2-1887, Rt 2, Liberty, NC
 Holladay, Robert Hunter, SO, ME, Turlington, Box 4228, TE 4-9279, 521 Broad, Suffolk, Va.
 Holladay, Robert Laslie, FR, FMM, 112 Syme, Box 3512, TE 2-9288, Hayneville, Ala.
 Holland, Phillip Parker, JR, PPT, 137 1/2 Gardner, TE 2-5765, Rt 1, Franklin, Va.

Holleman, Dallas Robert, SO, CE, 3205 Hillsboro, TE 2-1384, 3804 Springbrook Dr., Greensboro, NC
Holler, Donald Lee, FR, EE, 126 Alexander, Box 4121, TE 2-9257, Rt 2, Box 83A, Kannapolis, NC
Holliday, Deryl Burdon, SO, EE, 202 Owen, Box 4459, TE 2-9410, 110 N. Bennet, Southern Pines, NC
*Holliday, James Bennett, SR, ARC, 6-F Vetville, TE 3-7429, Pinetops, NC
Holliday, William Robert, JR, EPY, 301-D Boylan Apts., TE 3-4018, 3002 Medlin Dr., Raleigh, NC
*Hollingsworth, John P., FR, CE, Box 687, FO 5-9371, Wendell, NC, 325 S. Main, Mt. Airy, NC
Hollis, George Robert, FR, EE, 259 Tucker, Box 4726, TE 2-9387, 819-B Daniels, Raleigh, NC
Holloman, Charles Thomas, FR, FOR, 19 Becton, Box 3820, TE 2-9261, Seaboard, NC
Holloway, Donald Person, SR, IE, 118 Hillcrest, TE 2-3271, Rt 2, Fuquay Springs, NC
*Holloway, Ivey Craig Jr., JR, EE, 636J2, Rt 2, Fuquay Springs, NC
Holloway, James Franklin Jr., FR, CE, 315 Owen, Box 4530, TE 4-9300, 1001 Walters, Monroe, NC
Holloway, John Terrence, JR, MEA, 202 Fourth, Box 3120, TE 2-9159, 413 Howard, Boone, NC
Holloway, Margaret Frances, GR, OIG, 309 E. Lane, TE 4-0960, 3709 Raeford Rd., Fayetteville, NC
Holmes, Irwin Richard Jr., SO, EE, 211 Watauga, Box 3029, TE 2-9132, 1403 S. Alston, Durham, NC
Holmes, Roy Elwood Jr., SO, EE, 220 Syme, Box 3552, TE 2-9150, 4012 Park Rd., Charlotte, NC
Holmes, Stacy Morgan, JR, GS, 3053 Granville Dr., TE 3-9956, Raleigh, NC
Holmes, Walter VanBuren, SO, MEA, 211 Watauga, Box 3029, TE 2-9312, 124 Masondale, Durham, NC
Holoman, William Chreston, PR, CHE, TE 2-4786, 2701 Lochmore Dr., Raleigh, NC
Holt, Earl Thomas, SO, ME, 343 Owen, Box 4556, TE 4-9836, Rt 7, Box 732, Salisbury, NC
Holt, Edward Franklin, JR, EE, 316 Owen, Box 4531, TE 4-9836, Rt 7, Box 732, Salisbury, NC
Holt, Gilbert Alson Jr., Pfeiffe College, Troy, NC
Holt, Hugh Milton, FR, EE, 115 Turner, Box 4626, TE 2-9388, 1906 Maple Ave., Burlington, NC
Holt, Jack Morgan, FR, TX, 1805 Woodland Ave., SP 2-2372, Sanford, NC
Holt, Robert Jack, SR, ME, 211 Welch, Box 3259, TE 2-9119, 75 Glendale Ave., Biltmore, NC
Holt, Robert Nisbet Jr., FR, CHE, 116 Turlington, Box 4213, TE 4-9279, Vantego, NC
*Holt, Vernon Emerson, 17 Broughton, 1501 Crest Rd., Raleigh, NC
Holton, George Montague Jr., FR, EE, 127 Tucker, Box 4638, TE 2-9388, 113 Simmons Ave., Williamston, NC
Hondros, James Gus, SR, MEA, 605 Blount St., Apt 1, Rocky Mount, NC
*Honeycutt, Bobby Mal, SR, EE, 633C Daniels, TE 3-2450, Rt 3, Hickory, NC
Honeycutt, Chester A., SO, TC, 3414 Hillsboro, TE 3-4808, 40 Cumberland, Asheville, NC
*Honeycutt, Emmitt Melvin Jr., JR, MEA, 1217 Kent Rd., TE 2-0554, 413 Rollingwood Cir., Fayetteville, NC
Hood, Clarence Elam Jr., JR, AGE, 109 Welch, Box 3245, TE 2-9119, 30 W. 4th, Newton, NC
*Hooker, Winston Thompson, FR, NE, 2820 Everett, TE 4-8925, Box 84, Aurora, NC
Hooks, Bob Eugene, FR, NE, 315 Alexander, Box 4178, Durham, NC
Hooks, Jonathan Winfield, SO, AED, 106 Bagwell, Box 3306, TE 2-9412, Rt 3, Kenly, NC
Hoomani, Jafar, GR, CE, 301 Watauga, Box 5132, TE 2-9132, Tir Ave., Teheran, Iran
Hooper, Alvin Dillard, FR, CE, 309 Tucker, Box 4742, TE 2-9739, Tuckasegee, NC
Hoots, Gere Allen, FR, ME, 151 Tucker, Box 4658, TE 2-9367, Rt 2, Winston-Salem, NC
Hoover, Herbert Ronald, FR, ME, 241 Tucker, Box 4711, TE 2-9387, Rt 9, Box 727, Concord, NC
Hoover, James Nisbet, JR, EE, 2708 Kilgore Ave., TE 2-3872, Box 44, Bostic, NC
Hoover, John Earl, SR, ME, 343 Tucker, Box 4772, TE 2-9323, Rt 9, Box 362, Greensboro, NC
*Hoover, Robert Milton, GR, MA, 3406 Avent Ferry Rd., TE 4-6070, Raleigh, NC
*Hoover, Vann Marshall, SR, EE, 10-A Vetville, 938 Berkeley Ave., Charlotte, NC
Hopkins, Donald Glenn, SR, AI, 128 Tucker, Box 4639, TE 2-9388, Rt 2, Raleigh, NC
Hopkins, Freddie Eugene, SO, AI, 41 Tucker, Box 4794, TE 4-9254, 144 S. Lake St., Draper, NC
*Hopkins, John Clinkscales, SR, IE, 809 Wilmington Ter., TE 4-6629, 2227 Radcliff, Charlotte, NC
Hopper, Herman Webb, FR, EE, 351 Tucker, Box 4778, 212 N. Cascade, Draper, NC
*Hopper, Thomas Harold, 609 E. Lane St., 168 Harding Rd., Glen Rock, NJ
Hopper, William Whitfield Jr., FR, CE, 10 Becton, Box 3812, TE 2-9251, 207 Prospect, Leaksville, NC
*Hord, Horace Blainey, SO, AGE, 724 Chamberlain, TE 4-8113, Raleigh, NC
Hordubay, Edward Paul, JR, TC, Alexander, Box 4129, 1508 Vail Ave., Windber, Pa.
Horne, Laurie Ted, FR, ME, 304 Alexander, Box 4170, TE 2-9349, Box 22, McAdenville, NC
Horner, George Samuel, JR, ME, 104 Berry, Box 4304, TE 2-9350, Rt 7, Burlington, NC
Horowitz, Harvey Alan, JR, AGE, 131 Tucker, Box 4642, TE 2-9388, 120 Rectory, Oxford, NC
Horton, James Arlen, JR, CE, Box 4420, TE 2-9115, Oriental, NC
Horton, Oscar Bobby, SO, EE, 229 Becton, Box 3763, TE 2-9334, 504 Chub-Lake, Roxboro, NC
*Horton, William Elijah, JR, EE, 26-D Vetville, TE 4-7942, 509 Chub Lake St., Roxboro, NC
Hoskins, James Herbert, SO, CEC, 15 Maiden Lane, Box 812, Spencer, NC
*Hoskins, Joseph Delano, SR, ARC, 218 1/2 Park Ave., TE 2-7379, Raleigh, NC
Hoskins, Richard Slater, JR, ME, 139 Tucker, Box 4649, TE 2-9388, New York, NY
Hoskins, Thomas Recues, FR, EE, 15 Maiden Lane, VA 8-2113, Box 812, Spencer, NC
*Hoskins, William Blain Jr., 907A Willow St., Fayetteville, NC
Hostetler, David Roy, GR, NE, 2604 Van Dyke, TE 3-0796, Raleigh, NC
*Houc, Byard Jr., JR, IE, 13-C Vetville, Raleigh, NC
House, Gene Crosby, FR, EE, 2817 Claremont, TE 2-2151, 1501 Westside St., Greensboro, NC
*Houser, Charles Milton, SR, CE, 205 Ashe Ave., TE 2-2598, Rt. 2, Vale, NC
Houser, Charles Ray, FR, CE, 208 Syme, Box 2540, TE 2-9150, Rt. 6, Asheville, NC
Houser, James Michael, SO, TX, 308 Fourth, Box 3134, TE 4-2001, Graham, NC
*Houston, Oni Pinkney Jr., JR, CE, Rt. 7, Raleigh, 405 W. Center Ave., Mooresville, NC.
Houston, Randie Merrlyn, FR, EE, 304 Syme, Box 3568, TE 2-9222, Nags Head, NC
*Houtz, Neywood Barron, SR, EE, 831-A Daniel, TE 2-1342, 201 Ash St., Elizabeth City, NC
*Hovis, Lowell Thomas, SR, ME, Rt. 3, Box 73, Box 525, Belmont, NC
Howard, George Robert Jr., SR, CHE, 1710 Hillsboro, TE 2-2001, 2141 Colony Rd., Charlotte, NC
Howard, Henry B., JR, ARC, 315 Tucker, Box 4746, TE 4-9739, Box 456, Buie's Creek, NC
*Howard, James Robert, SO, TX, 28-A Vetville, 1102 N. Ridge Ave., Kannapolis, NC
*Howard, John Everett, SR, TC, 32-F Vetville, TE 3-9707, E. Bay, Jesup, Ga.
Howard, Kenneth Jackson, SO, GEE, 222 Bagwell, Box 3354, TE 2-9131, 934 Forrest Ave., High Point, NC
*Howard, Thomas Clifton, SR, NE, 114 Park Ave., Raleigh, NC
Howe, Joseph Glasgow, SO, CE, 2004 Hillsboro, Box 606, Hendersonville, NC
Howe, Kenneth Lee, JR, AI, 115 Owen, Box 4410, TE 2-9115, Rt. 3, Gastonia, NC
Howell, Ira Buford Jr., MEA, 14 Becton, Box 3816, TE 2-9261, Rt. 1, Midland, NC

Howell, Joh Russell, FR, ME, 210 Tucker, Box 4683, Te2-9387, Box 183, Lenoir, NC
 *Howell, Lacey Bruce Jr., SR, TX, 20 Turner St., 59 King Edward E., Rockingham, NC
 Howell, Marvin Eugene, SO, AG, 317 Syme, Box 3581, Te2-9222, Rt. 3, Williamston, NC
 Howell, Robert Smith, FR, MEA, 215 Watauga, Box 3033, Te2-9132, Box 127, Robbinsville, NC
 Howell, William Edward, FR, MEA, 311 Alexander, Box 4174, Te2-9349, Roduco, NC
 Hoyle, Barbara Ruth, FR, ARC, 2302 Hillsboro, Te2-2741, Rt. 2, Cherryville, NC
 Hoyle, Dan Hillard, FR, EE, 305 Tucker, Box 4738, Te4-9739, Rt. 2, Henderson, NC
 Hoyle, David Leonidas III, FR, AG, 305 Tucker, Box 4738, Te4-9739, Rt. 1, Henderson, NC
 Hoyle, George Walter, JR, EE, 109 Welch, Box 3245, Te2-9119, S. Brady, Newton, NC
 Huang, Robert Hai-Chuan, UN, AG, Te3-2947, Buffalo Trailer Pk., Rt. 3, Raleigh, NC
 Hubbard, Arthur Granger, FR, ME, 123 Alexander, Box 4118, Te2-9257, Stedman, NC
 *Hubbard, Ernest Franklin Jr., FR, ME, 105 1/2 Park Ave., Stedman, NC
 Hubbard, James Franklin, SO, DN, 105 Fourth, Box 3115, Te2-9159, 808 Cumberland, Fayetteville, NC
 Hubbard, Richard Gary, FR, ME, Stadium, Box 4349, Te4-9803, Box 137, Hildebran, NC
 *Huber, Richard Thomas, SO, FOM, 1001 Glenwood, Te3-2241, Raleigh, NC
 Hudgins, Hugh Douglas, SO, CE, 361 Tucker, Box 4788, Te4-9279, 416 Rollingwood, Fayetteville, NC
 Hudson, Arlen Gladstone, FR, EE, 101 Gold, Box 3201, Te2-9263, 120 E. Station, Mt. Olive, NC
 *Hudson, Ben Avery, JR, TX, 1102 Nichols Dr., 104 Ridge, Kinston, NC
 Hudson, Harry Hood, JR, EE, 125 1/2 Woodburn, Rt. 3, Waxhaw, NC
 Hudson, James Howard, SO, CHE, 138 Tucker, Box 4648, Te2-9367, 101 S. Liberty, Greenville, NC
 Hudson, Lowell Thomas, SO, IA, 2209 1/4 Hope, Box 5171, Te4-3244, Rt. 2, Waynesville, NC
 Hudson, Ned Yaddin, SO, AED, 323 Owen, Box 4538, Te4-9300, Rt. 3, Box 148A, Concord, NC
 Hudson, Wayne Thomas, FR, EE, 205 Tucker, Box 4678, Te2-9387, Box 21, Guilford College, NC
 *Hudson, William Lafayette, SO, CE, Rt. 1, Te4-1374, Cary, NC
 *Huff, Frank Robert, JR, EE, 131 Hawthorne Rd., Box 5703, Te2-9046, 1776 S. Davison St., Peeksill, NY
 Huffman, Daniel Russell, SO, CHE, 261 Owen, Box 4512, Te2-9410, Rt. 2, Catawba, NC
 Huffman, David Glenn, FR, E, H07-9114, Box 456, Cary, NC, 1514 Garleton, Burlington, NC
 Huffman, John Caldwell, SR, EE, 212 Groveland Ave., Te2-8992, 104 2nd St., Black Mt., NC
 Huffman, John Wesley, SO, ME, 103 Beeton, Te2-9256, 1204 Park Dr., Charlotte, NC
 Huffman, Ralph Edward Jr., JR, EE, 114 Turlington, Box 4211, Te4-9279, Rt. 5, Box 404, Charlotte, NC
 Huffstetler, Charles Edward, SO, TX, 309 Welch, Box 3269, Te2-2119, 215 N. 1st. St., Mt. Holly, NC
 *Huffstetler, Henry Hanna, FR, EE, 3309 Hillsboro, Te2-2138, Box 214, Lowell, NC
 Huggins, Edward Wayne, SO, MEA, 326 Beeton, Box 3794, Te2-9372, Council, NC
 Huggins, Joseph Allen, FR, CHE, 119 Owen, Box 4414, Te2-9437, 412 Market St., Wilmington, NC
 Hughes, Ernest Wilson, SO, CRE, 207 Alexander, Box 4138, Te4-9746, Rt. 5, Box 145, New Bern, NC
 Hughes, Eugene Richard, FR, NE, 3131 Eton Rd., Te2-4977, Raleigh, NC
 Hughes, Hal Elliott, SO, CE, 105 Turlington, Box 4204, Shelby, NC
 *Hughes, Joseph Louis Jr., SR, CHE, 2514 Clark, Box 5665, Te3-4522, 126 Spruce, Badin, NC
 Hughes, Phillip Leroy, SO, MEA, 256 Tucker, Box 4723, Te2-9387, North St., Oxford, NC
 Hughey, Marvin William, FR, EE, 320 Owen, Box 4535, Te4-9300, Rt. 1, Box 142, Kernersville, NC
 Hulbert, William Henry, FR, 309 Bagwell, Box 3375, Te4-9151, 616 N. Endor, Sanford, NC
 Hull, Claud Evans, SR, MEA, 210 Hudson St., Buffalo, Wendell, NC
 Hulse, Ronald Stephen, FR, E, 719 Chamberlain, 2717 Picardy Pl., Charlotte, NC
 Hults, Arthur Barry, FR, ME, 328 Alexander, Box 4191, Te2-9349, 2323 Brairwood, Charlotte, NC
 Hultz, Richard Murray, UN, GS, 319 Alexander, Box 4182, Te2-9349, 571 Piney Br., Springfield, Ohio
 Hummel, William Hicks, JR, TX, 209 Taylor St., 1020 Urban Ave., Durham, NC
 Humphries, Ervin Grigg, SR, AGE, 207 Furches St., Te2-2178, Rt. 4, Shelby, NC
 *Hunsucker, George Eugene Jr., SR, EE, 2722 Vanderbilt, 307 S. Central Ave., Belmont, NC
 Hunsucker, Royce Hulton, FR, CE, 304 Turlington, Box 4269, Te2-9192, 1065 Harding, Greenville, NC
 *Hunt, Gerald Leigh, SR, MEA, 25-D Vetville, Te4-3375, 1106 8th St., Durham, NC
 Hunt, James Baxter Jr., JR, AED, 122 Syme, Box 3522, Te2-9288, Rt. 1, Lucama, NC
 Hunt, Larry Wayne, FR, EE, Bagwell, Box 3317, Te4-9219, 804 4th St., Spencer, NC
 Hunt, Robert Hughes, SO, EE, 227 Owen, Box 4482, Rt. 2, Newton, NC
 Hunt, Thomas Montague Jr., SO, CEC, 319 Syme, Box 3583, Te2-9222, 1414 Gregson St., Durham, NC
 *Hunt, William Herschel, GR, FOM, Bagwell, Box 3332, Te4-7436, Host's Apt.
 *Hunter, Arvel N., GR, S, 602 Stacy St., Raleigh, NC
 Hunter, Harold Dean, FR, EE, 333 Owen, Box 4548, Te4-9300, Rt. 2, Weaverville, NC
 Hunter, James Wesley, JR, IE, 604 S. Boylan, Te2-8666, Box 307, Mars Hill, NC
 Hunter, Richard Carson, SR, IRR, 102 Beeton, Box 3702, Te2-9756, Rt. 1, Leechburg, Pa.
 Hunter, Richard Franklin, 2210 Van Dyke Ave., Te3-7208, Raleigh, NC
 Hunter, Robert Carter, SR, TX, 5 Dixie Trail, Te4-9536, 32 White Pine Dr., Asheville, NC
 Hunter, Thomas Giles, SO, FOR, Tucker, Box 4702, Te2-9387, Rt. 2, Graham, NC
 Huntley, James Larry, JR, CRE, 321 Turlington, Box 4213, Te2-9192, Rt. 2, Box 782, Charlotte, NC
 Huntley, Max Nelrose, SO, TX, 104 Turlington, Box 4203, Te4-9279, Rt. 4, Rutherfordord, NC
 Hurst, John Henry, SR, IRR, 164 Tucker, Box 4671, Te2-9388, 5005 Oleander Dr., Wilmington, NC
 Hurt, Charles William, FR, ME, 27 Syme, Box 3623, Ronda, NC
 Huteh, Rex Tillmon, FR, GEE, 105 Welch, Box 3241, Te2-9119, Box 288, Mt. Olive, NC
 *Hutchens, Charles Eugene, SO, HAC, 403 Elm St., Te2-0226, Raleigh, NC
 Hutchins, Andrew John, SO, CE, 6 Enterprise St., Te8-4788, Johnson St., Canton, NC
 *Hutchins, Charles Robert, SR, NE, 18-A Vetville, Va8-2950, Raleigh, NC
 Hutchins, James Clyde, JR, AGE, 2409 Stafford Ave., Rt. 2, Mocksville, NC
 Hutchins, Roy Austin, SO, CHE, 258 Owen, Box 4509, Te2-9410, 318 N. Myrtle Sch. Rd., Gastonia, NC
 Hutchinson, George Layton, SO, AED, 101 Berry, Box 4301, 5136 Jefferies Rd., Raleigh, NC
 Hutchinson, James Alfred, FR, FMA, 322 Syme, Box 3586, Te2-9222, Rt. 1, Peachland, NC
 Hutchinson, James Richard, JR, CE, 25 Syme, Box 3621, Te4-9421, Box 161, Morven, NC
 Hutchinson, Owen B., GR, FOR, 2nd Gold, Box 3217, Te2-9263, 907 Church, Beaumont, Texas
 Hwa, George T. S., NE, 203 Alumni Bldg., 75-c Robinson Rd., Hong Kong, China.
 Hyatt, Bass Utie Jr., JR, AI, 216 Beeton, Box 3750, Te2-9334, Braastown, NC

Ibrahim, Mahmoud Ahmed, P.O. Box 5721, P.O. Box 5721, Raleigh, NC
 Ibrahim, Mohammed Hossameldin, FR, TX, Box 5766, 29 Glimonapolo, Alexandria, Egypt

Imke, Christopher, III, FR, EE, 320 Tucker, Box 4751, Te4-9739, 115 E. Second St., Washington, NC
 Inabinett, William Elliott, FR, CEC, 329 Bagwell, Box 3395, Te4-9151, Box 182, Halifax, NC
 Ingold, Harry Watkins, SR, EE, Box 147, Ho7-4813, 108 Willow St., Cary, NC
 *Ingram, Edward Morpew, CE, 319 Tucker, Box 4570, Te2-9312, Robbinsville, NC
 *Ingram, Frances Patterson, 343 Gardner Hall, 3207 Merriman Ave., Raleigh, NC
 Ingram, Joseph King, ME, 7 Enterprise St., PiKappa Phi, Te4-0435, 105 Maple St., Badin, NC
 *Ingram, Robert C., SR, ARC, 3207 Merriman Ave., Te3-6489, 3207 Merriman Ave., Raleigh, NC
 Ingram, William P., Staff
 *Inman, Billy Eugene, SO, ME, 2618 Wade Ave., Te2-7353, Rt. 2, Pilot Mountain, NC
 Inman, Edward Riley, FR, SED, 203 Berry, Box 4310, Te2-9363, 613 Georgia Ave., Burlington, NC
 *Inman, Gene Erwin, FR, CEC, 2217 Bernard St., Te2-2086, 403 Cottage St., Fairmont, NC
 Inman, John Douglas, JR, CE, 120 Hillcrest Rd., Te2-6383, Rt. 2, Pilot Mountain, NC
 Inscoc, Joseph William, JR, ZO, Animal Disease Lab., Box 5658, Ext. 486, 114 W. 6th St., Newton, NC
 Inscoc, Melvin Thomas, JR., FR, EE, 356 Owen, Box 4567, Te4-9300, 132 Earl St., Rocky Mount, NC
 Inscoc, Willard Francis, FR, CE, 318 Syme, Box 3582, Te2-9222, 260 S. Wake Forest Rd., Durham, NC
 *Irabagon, Juanita T., GRAD, RS, 131 Apt. 3, S. Boylan Ave., Central Luzon Agricultural College, Nueva Ecija, Philippines.
 Irabagon, Theodoro A., GRAD, ENT, 131 Apt. 3, S. Boylan Ave., Central Luzon Agriculture College, Nueva Ecija, Philippines.
 Irvin, Thomas Meade, SO, FOR, 312 Bagwell, Box 3378, Te4-9151, 271 Church St., Brookville, Pa.
 Irving, Donald Ray, SR, IA, 21 Enterprise St., Te2-7840, Stoneville, NC
 Irwin, Joe Thomas, FR, ME, 23 Becton, Box 3824, Te2-9261, Rt. 2, Sparta, NC
 Isaacson, Nathan Elkan, SR, TX, 130 Hawthorne Rd., Te4-7325, Donmoor Rd., Lawrence, NY
 Isenhower, John Henry, Jr., FR, E, 1408 Hillsboro St., Te2-5745, 215 Confederate St., Salisbury, NC
 Isenhower, Horace Jordan, Jr., FR, FMM, 260 Owen, Box 4463, Te2-9252, Box 64, Conover, NC
 Isley, Larry Randolph, FR, FMM, 4 Becton, Box 3806, Te2-9261, 1107 Chatham Heights, Martinsville, Va.
 Ismail, Gamal El-Din Abd El-Kader, SR, TX, Box 5759, Te4-3083, 5 Dixie Trail, Apt. 1, Raleigh, NC
 Israel, William Mortimer, SR, TX, 304 E. Park Dr., Te3-0453, 4727 The Blvd., Westmount, P O, Canada
 Ivey, Randall Max, FR, ME, 213, Watauga, Box 3031, Te2-9132, 9-N Lake Village, Wilmington, NC
 Ivey, Richard Willis, FR, EE, 213 Watauga, Box 3031, Te2-9132, 9-N Lake Village, Wilmington, NC
 Iyengar, K. R. Gopala Krishna, GRAD, EE, 304 Gold, Box 3228, 37 Rama Mandir Rd., Bangalore-4, India

Jackson, Charles Armon, GRAD, HRT, 1408 Canterbury Rd., TE 2-8653, Rt 1, Benson, NC
 Jackson, Curtis Riley, FR, TX, 7-Stadium, Box 4352, TE 4-9803, 606 W. Airline St., Gastonia, NC
 *Jackson, Donald G., JR, FOR, Box 638, Cary, HO, 7-3952, Rt 1, Black Mtn., NC
 Jackson, George Grady, Jr., SO, CE, Sigma Pi, Box 5656, TE 2-0268, Elm City, NC
 Jackson, Gerald Franklin, SO, IA, 205 Watauga, Box 3023, TE 2-9132, Rt 3, Lincolnton, NC
 *Jackson, Lewis C., SK, TX, 34 Shepherd St., TE 2-0951, 34 Shepherd St., Raleigh, NC
 Jackson, Philip Stephen, FR, CE, 125 Syme, Box 3525, TE 2-9288, Box 31, Pittsboro, NC
 *Jackson, Raymond Edson, FR, EE, 333 Alex., Box 4195, Rt 1, Box 160, Watha
 *Jackson, Robert Alan, SR, EE, 1101 Canterbury Rd., TE 4-4-86, 1101 Canterbury Rd., Raleigh, NC
 Jackson, Thomas Leroy, GRAD, NE, 1877 W. Smallwood Dr., TE 2-9868, 1352½ Argyle St., Chicago, Ill.
 Jackson, Travis Lawrence, FR, CE, Tucker, Box 4791, TE 2-9323, 705 Baldwin Ave., Marion, NC
 Jacobs, Carl Richard, SR, TX, 304 E. Park Dr., TE 3-0453, 50 Riverside Dr., New York, NY.
 Jacobs, Larry Gilbert, FR, ME, 117 Bagwell, Box 3317, TE 4-9219, Salisbury, NC
 Jacobs, Philip Norton, FR, CHE, 321 Tucker, Box 4752, TE 2-9323, 470 Penna. Ave., Freeport, NY
 Jacumin, Jimmy Ray, JR, NE&ME, 110 Gold, Box 3210, Box 533, Rutherford College, NC
 Jamerson, Charles Dewey, FR, EE, 306 Tucker, Box 4739, TE 2-9323, 10 Marginal, Coolemees, NC
 James, Allen Newberry, FR, EE, Turlington, Box 4275, TE 2-9192, Mt. Pleasant, NC
 James, Roy Braxton, JR, CE, 2400 Delta Dr., Box 5731, TE 4-7914, Box 142, Faison, NC
 *James, Steve Clifton, SO, CE, TE 2-2329, 3821 Western Blvd., Raleigh, NC
 James, William Thomas, Jr., JR, NE, 105 Alexander, Box 4105, TE 4-8147, 24 Tryon St., Asheville, NC
 Jamison, William Thomas, FR, NE, 232 Syme, Box 3564, TE 2-9150, Box 9202, Charlotte 5, NC
 Jaremenco, Wadim, FR, EE, 307 Turl., Box 4271, TE 2-9192, Rt 4, Roxboro, NC
 Jarrell, Gilbert Franklin, Jr., FR, ARC, 330 Syme, Box 3594, TE 2-9222, 1606 E. Walnut, Goldsboro, NC
 Jasper, William John, SR, PO, 2718 Clark Ave., TE 2-6451, Rt 2, Burgaw, NC
 Jefferies, Theodore R., SR, EM, 214 Faircloth St., TE 4-9433, 214 Faircloth, Raleigh, NC
 Jeffers, Emmett Joe, Turlington, Box 4286, TE 2-9192, 2511 Earwell Ave., Chicago 45, Ill.
 Jefferson, William Thomas, FR, EE, 333 Tucker, Box 4764, TE 2-9323, 711 Greenwood Rd., Chapel Hill
 *Jeffreys, Charles Douglas, SR, MEA, 3354 Hampton Rd., TE 4-8105, 3354 Hampton Rd., Raleigh, NC
 Jeffries, Ernest Bryon, Jr., GRAD, EE, 622 Daniels St., TE 3-1180, Box 213, Yanceyville, NC
 Jenkins, Frank Charles, JR, ME, TE 2-2408, 119 Hawthorne Rd., Raleigh, NC
 *Jenkins, Homer Lee, JR, FMM, TE 4-6489, 922 Peace Terr., Raleigh, NC
 Jenkins, Hubert Lee, SR, EE, 228 Tucker, Box 4699, Rt 1, Box 204, Rutherfordton, NC
 *Jenkins, John Marton, Jr., SO, EE, 3821 Western Blvd., Raleigh, TE 2-2968, 3603 E. Market, Greensboro, NC
 Jenkins, Lemuel Howard, SO, CE, 2308 Hillsboro St., TE 2-0275, 2308 Hillsboro, Raleigh, NC
 Jenkins, Robert Duke, FR, EE, 22 Stadium, Box 4367, Grifton, NC
 *Jenkins, Samuel Forrest, Jr., SR, FC, Apt. 6E, Verville, Rt. 1, Oxford, NC
 Jenkins, Wilbor Harris, SR, AGE, 127 Becton, Box 3727, TE 2-9256, Stella, NC
 *Jenkins, William Paul II, JR, EE, 933 Wilmington Terr., Raleigh, TE 4-8543
 Jenks, Bennie Max, JR, TX, Box 218, Rt 3, Wake Forest
 Jennings, John Stanley, JR, FOM, 203 Turl, Box 4234, TE 2-9297, Box 587, Hickory, NC
 *Jennings, Linwood Earl Jr., GRAD, OIG, 510 Tilden St., Raleigh, NC
 *Jennison, James Howard, Rt 1, Godwin, NC
 Jensen, Jan Stewart, JR, CE, Sigma Pi, 2513 Clark, Box 5656, TE 2-0268, 15 Hampden Rd., Asheville
 *Jernigan, James Roger, Rt 3, c/o T. I. Penny, Raleigh, NC
 *Jernigan, Martin L. Jr., JR, CE, L-2B Cameron Ct. Apts., TE 3-1029, Raleigh, NC
 *Jernigan, William Robert Jr., SR, ME, 103 Chamberlain St., TE 3-6901 W. Broad St., Dunn, NC
 Jivatode, George Ramkrishna, SR, CE, 2838 O'Berry St., TE 3-4189, Raleigh, NC
 Jivatode, John Ramkrishna, FR, ME, 2839 O'Berry St., TE 3-4189, Raleigh, NC

Jobe, Randall Everette, SR, HAC, 202 Watauga, Box 3020, TE 2-9132, Rt 4, Box 160, Greensboro, NC
 Johns, John Carroll, SO, FOR, 15 Stadium, Box 4360, TE 4-9803, 516 Montvale, Richmond, Va.
 Johns, John Richard, FR, EE, Tucker, Box 4701, TE 2-9387, Box M, Paw Creek, NC
 Johnson, Amy Ervin, FR, IE, 335 Tucker, Box 4765, TE 2-9323, Rt 1, Boonville, NC
 Johnson, Billy Grayson, JR, AI, Basement YMCA, Box 5276, TE 2-7184, Rt 4, Box 79, Asheboro, NC
 Johnson, Bryce Walby, GRAD, NE, 206 Gold, Box 3218, TE 2-9263, Rt 3, Blackfoot, Idaho
 *Johnson, Carol H., UNC, RKG Arrow Dr., TE 4-1401, Raleigh, NC
 *Johnson, Charles Borden, JR, MEA, 2404¹/₂ Van Dyke Ave., TE 4-9075, Raleigh, NC
 Johnson, Charles Elliott, SR, AED, 318 Watauga, Box 3044, TE 2-9132, Rt 1, Robersonville, NC
 Johnson, Dan Cary, SO, ME, 117 Alex., Box 4114, TE 2-3949, Rt 3, Box 24-A, Rocky Mount, NC
 Johnson, Donald E., JR, ABC, 1603 N. Blount St., TE 4-4197, Raleigh, NC
 Johnson, Donald Ray, FR, ME, 49 Owen, Box 4583, TE 2-9142, 2503 Timer Lane, Greensboro, NC
 Johnson, Donald Wesley, SO, AG, Basement YMCA, Box 5276, TE 2-7184, Rt 4, Asheboro, NC
 Johnson, Felix Franklin, SO, FC, 4th Dorm, Box 3113, TE 2-9159, Rt 5, Kinston, NC
 Johnson, Frank Roy Jr., SR, HRT, Old Horticulture Greenhouse, Ex 240, 405 Union, Murfreesboro, NC
 Johnson, Franklin Mitchell, JR, MEA, 123 Tucker, TE 2-9388, 100 Rotary Ave., Greenville, NC
 Johnson, Gerald Lee, SO, TX, 206 Tucker, Box 4679, TE 2-9387, Moss Springs Rd., Albemarle, NC
 *Johnson, Harris C., Apt 4 D Vetteville, Raleigh, NC, Asheboro, NC
 Johnson, Harry Delmar, JR, IA, 155 Tucker, Box 4662, TE 2-9367, Box 123, Manteo, NC
 Johnson, Herbie Martin, SO, FOR, Bagwell, Box 3352, TE 2-9131, Crossnore, NC
 Johnson, Hilton Graham, JR, Soils, 109 Oberlin Rd., TE 4-1547, Delco, NC
 Johnson, Howard Lean, JR, ARC, 202 Groveland Ave., TE 3-1320, Mt. Gilead, NC
 *Johnson, James Casey, SR, MED, 502 Cutler St., TE 3-3919, Raleigh, NC
 Johnson, James Harris, FR, MEA, 317 Becton, Box 3785, TE 2-9372, 1314 Norton St., Durham, NC
 Johnson, James Hubert, SO, EE, 216 Turl, Box 4244, TE 2-9297, Rt 1, Box 482, N. Wilkesboro, NC
 *Johnson, James Owen, SR, IA, 3210¹/₂ Clark Ave., TE 4-9059, Kenansville, NC
 Johnson, Joel Anthony, FR, CE, 143 Summit Ave., Raleigh, NC
 Johnson, John Hicks, SO, CE, 122 Owen, Box 4417, TE 2-9437, 2515 White Oak Rd., Raleigh, NC
 Johnson, Jules Doar, FR, MEA, 239 Tucker, TE 2-9387, Kings Mt. Rd., Shelby, NC
 *Johnson, Larry Buckner, JR, AI, 127 Owen, Box 4422, TE 2-9115, Rt 4, Sanford, NC
 Johnson, Parker Russell Jr., GRAD, IA, 704 Bloodworth St., Raleigh, NC
 *Johnson, Preston Benton, SR, EE, Apt 5A Vetteville, TE 4-3903, 207 W. Church St., Benson, NC
 *Johnson, Robert Calvin, SR, ME, 317 Calvin Rd., TE 2-9582, Raleigh, NC
 Johnson, Samuel Arnold, SO, ME, 2226 Hillsboro, TE 4-4137, Raleigh, NC, Jonesville, NC
 *Johnson, Sigvard Bernhard, FR, MEA, 1508 Frank St., Raleigh, NC, 135 Bundy St., Wagram, NC
 Johnson, Tommie Joe, JR, ME, 109 Gold, Box 3209, TE 2-9263, 214 E. Whittington, Greensboro, NC
 Johnson, William Carl, SR, IE, 339 Alex., Box 4199, TE 2-9349, 102 West 1 St., Erwin, NC
 Johnson, William Hal, JR, WCM, Farm House, TE 4-6094, Rt 4, Taylorsville, NC
 Johnson, William Mills, SO, AG, 118 Becton, Box 3718, TE 2-9256, Woodland, NC
 Johnson, Willis Edward III, FR, TX, 212 Berry, Box 4310, TE 2-9363, 3 Hillside Rd., Balto 10, Md.
 Johnston, Cary Lowell, FR, TC, 101 Welch, Box 3237, TE 2-9119, 810 Henley Pl., Charlotte 7, NC
 Johnston, Joseph Tharpe, FR, FOR, 121 Tucker, Box 4632, Littleton, NC
 *Johnston, Julia Avery, UNC, Rt 6, Raleigh, NC
 Johnston, Kenneth Elwyn, FR, CE, 365 Owen, Box 4576, TE 4-9836, 1308 Dresden Dr. W., Charlotte, NC
 *Johnston, Verle Lafayette, GRAD, Math., 2715 Clark, TE 3-0315, Raleigh, NC
 Johnston, William Kansom, SO, AI, 2426 Hillsboro, TE 4-2001, Raleigh, Littleton, NC
 Johnstone, Rudolph Gordon, SR, CE, Kappa Sigma, 2612 Clark, 111 Windsor Ave., Spartanburg, SC
 Joines, Ronald Wayne, SO, IE, 118 Owen, Box 4413, TE 2-9437, Box 373, Reidsville, NC
 *Joines, William Thomas, JR, EE, Tarheel Trailer Ct., TE 9-9362, Moravian Falls, NC
 Jolley, James Wence, SO, WCM, 1814 Park Dr., TE 2-3698, Raleigh, Box 2255, Delray Beach, Fla.
 *Jones, Alfred, GRAD, FC, Apt. Alex. Dorm, Box 4104, TE 4-8147, 1210 Windsor Ave., Richmond, Va.
 Jones, Benjamin Lewis, SO, GEE, 2410 Everett Ave., TE 2-5607, 440 Governor's View Rd., Asheville, NC
 *Jones, Billy Hobbs, SO, AGE, 2714 Rosedale Rd., TE 2-9570, Rt 3, Hertford, NC
 Jones, Billy Owen, UN, E, 2700 Peachtree St., TE 3-8071, Raleigh, NC
 Jones, Bobby James, FR, ME, 320 Syme, Box 3584, TE 2-9222, Box 185, Warrensville, NC
 Jones, Carroll Graham, SR, ME, 101 Fourth, Box 3111, TE 2-9159, Box 92, Bailey, NC
 Jones, Charlie Bee, JR, EE, 121 Bagwell, Box 3321, TE 2-7412, Rt 2, Pikeville, NC
 Jones, Charles Franklin, FR, CE, 140 Owen, Box 4434, TE 2-9115, 3028 Kentucky Ave., Charlotte, NC
 Jones, Claude Ervin, FR, EPY, 131 Owen, Box 4426, TE 2-9437, 308 Bay St., Morganton, NC
 Jones, Clemoth Earl, FR, CE, Turl., Box 4213, TE 4-9279, Pantego, NC
 *Jones, Clifton Patrick, SO, IE, 1217 Kent Rd., Morland's Trailer Park, 603 Cameron Dr., Kinston, NC
 *Jones, English, Pembroke State College, Pembroke, NC
 Jones, Frederick Henry, SO, EE, TE 4-6650, 514 Peebles St., Raleigh, NC
 Jones, George Wayne, SO, ME, 126 Becton, Box 3726, TE 2-9256, RFD 1, Guilford College, NC
 Jones, Grover Stephen, Jr.
 Jones, Isaac Adams Jr., JR, SED, 708 St. Mary's St., Box 5656, TE 4-6366, 2921 Manor Rd., Charlotte
 Jones, James Benson, FR, EE, 303 Owen, Box 4520, TE 4-9836, 2908 Royston Rd., Charlotte, NC
 *Jones, James B. Jr., GRAD, OIG, 305 Brooks Ave., TE 4-8826, 401 Hampton, Rock Hill, SC
 Jones, James Edward, FR, AED, 11 Maiden Lane, TE 4-3921, Jefferson, NC
 Jones, James Frederick, SO, ME, 125 Turl., Box 4222, TE 4-9752, S. Main St., Scotland Neck, NC
 Jones, John Bennett, JR, FC, 2400 Delta Dr., TE 4-7914, Raleigh, Rt 1, White Oak, NC
 *Jones, John Edwin, JP, IE, 1423 Beaver Dam Dr., Raleigh, NC
 *Jones, John Walter, SR, AI, 33E Vetteville, TE 4-4880, Raleigh, Sparta, NC
 *Jones, Joseph Sebring, SR, MEA, 37 F Vetteville, Raleigh, Rt 6, Box 162, Reidsville, NC
 Jones, Joseph Siceloff, SO, EPY, 135 Tucker, Box 4645, TE 2-9388, 615 S. College, Newton, NC
 Jones, Joseph T., JR, TX, 208 Berry, Box 4315, TE 2-9363, 617 Clark Ave., Wilson, NC
 *Jones, Kibby Bess Jr., JR, FOM, Apt. 34E Vetteville, TE 4-6533, Raleigh, Box 531, Burgaw, NC
 *Jones, Lawrence Brader, SR, CEC, Apt. 35F Vetteville, Raleigh, Rt 1, Waikertown, NC
 Jones, Lewis Edmund, SO, CRE, Owen, Box 4480, 514 S. Moore, Bloomington, Ill.
 Jones, Malcolm David, SO, EE, 2232 Hillsboro St., TE 4-6591, W. Vance St., Laurinburg, NC
 Jones Morris Len, FR, ME, 330 Bagwell, Box 3396, Raleigh, Burgaw, NC

*Jones, Paul Reuben, JR, TX, 101 Turl., Box 4200, TE 4-9279, Box 814, Spindale, NC
 Jones, Paul Richard, FR, FOR, 218 Turl., Box 4246, TE 2-9297, 1218 Pine St., Kingsport, Tenn.
 Jones, Richard Foster, FR, CE, 1300 Dixie Trail, Raleigh, NC
 Jones, Robert Ralph Jr., JR, CE, 127 W. Park Dr., TE 3-6671, Rt 3, Laurinburg, NC
 *Jones, Robert Thomas, JR, EE, 17 Dixie Trail, VA 8-2910, Raleigh, NC
 Jones, Thomas Lane, FR, EE, 240 Tucker, Box 4710, TE 2-9387, 532 Country Club Rd., Brevard, NC
 Jones, Victor Allen, SR, CEC, 218 Becton, Box 3752, TE 2-9334, Rt 3, Laurel Springs, NC
 Jones, William Bowling Jr., JR, AI, Rt 1, Oxford, NC
 *Jones, William Giles, SR, CE, Apt. 4, 221 N. Blount St., Raleigh, Pine Hall, NC
 Jones, William Talmage, FR, MEA, 209 Syme, Box 3541, TE 2-9150, 729 Jones Ave., Kinston, NC
 Jones, Wadrow Wilson Jr., FR, MEA, 621 Tucker, Box 4728, TE 2-9387, 1018 N. Main St., Rutherfordton
 Jordan, Charles Lee, SO, ARC, 20 Stadium, Box 4365, TE 4-9803, Box 23, Laurinburg, NC
 *Jordan, Leon Iysoy, St, MTE, 1000 W. Cabarrus St., TE 2-3587, Raleigh, NC
 Jordan, Russell Edward, JR, NE, 327 Alex., Box 4190, TE 2-9349, High Point, NC
 *Joseph, Anwel Richard, DN, 115 Hawthorne Rd., Box 5672, St. College St., 118 E. 4th St., Greenville, NC
 Joseph, Fred, Irving, GRAD, OIG, 115 Hawthorne Rd., Box 5672, 1801 E. 4th St., Greenville, NC
 Joseph, Stella, FR, CHE, 2008 Hillsboro St., Carlos Arrieta 1250, Lima, Peru
 Joslin, Arnold Lumsden, JR, ME, 214 Lafayette Rd., TE 2-1991, Raleigh, NC
 *Joyce, Donald Max, SO, TX, 321 Becton, Box 3789, TE 2-9372, 286 Young St., High Point, NC
 Joyce, Douglas Ross, FR, ENG & Ma, 216 Glascock St., TE 2-1013, Raleigh, NC
 Joyner, Harvey Ray, SR, CE, 304 Welch, Box 3264, TE 2-9119, RFD 1, Elm City, NC
 Joyner, Jimmy Yates, SR, CE, AN 9-9281, Wendell, NC
 Judd, Joseph Thomas, GRAD, AI, 123 Brooks, TE 2-8764, Raleigh, 1422 McGavock Pk., Nashville, Tenn.
 *Juhasz, Tibor, UNC, TX, 115 Harrison Ave., Raleigh, NC
 Jurney, Douglas Melvin, JR, MEA, 7 Enterprise St., TE 4-0435, Raleigh, Harmony, NC
 *Justice, William Harold, GRAD, AI, Box 5648 St. College Sta., TE 3-0986, 229 Griffis, Cary, NC

Kahl, William Bailey, SO, EPY, 304 Syme, Box 3568, TE 2-9222, Kemp Rd., Reisterstown, Md.
 Kalwar, Ghulam Rasool, SR, CE, 3115 Douglas, Raleigh, NC
 *Kametches, Chris Lloyd, SR, IX, 801 W. Pintland Dr., Raleigh, NC, TE 4-1823
 Kannan, Philip Charles, SR, IE, 1906½ Hillsboro, TE 4-6165, 505 N. Bynum St., Wilson, NC
 Kapashi, Sevannial Shanbhal, GR, TX, Box 5797, St. College Sta., Bombay, India
 Kapashi, Sevannial Shanbhal, GR, TX, Box 5797, St. Coll. Sta., Bombay, India
 *Karam, Thomas Anthony, SR, CEC, 692, E. Academy St., Fuquay Springs, NC, 30, Box 145, New Bern, NC

Katich, Thomas Joseph, JR, IRR, 149 Tucker, Box 4656, TE 2-9567, 2460 Colorado St., Pittsburgh 12
 Kaw, Charlie, JR, TX, 108 Watauga, Box 3008, TE 2-9447, 105 20th St., Rangoon, Burma
 Kay, William Byrd Jr., JR, CE, 2514 Clark, Box 5665, TE 3-4522, Box 88, Red Springs, NC
 *Kayashima, Shoji, GR, AGC, 302 Gold, Box 3226, TE 2-9236, 25 Takatsukasa-Cho, Taishogun Kita-Ku, Kyoto, Japan

Kaye, Stephen V., GR, AEC, Gold, Box 3213, TE 2-9263, 131 Homestead Ave., Avenel, NJ
 *Kear, Fred William, SR, MEA, 12-F Vetteville, Raleigh, NC
 *Keaton, John Austin, SR, Soils, 926 N. Boylan Ave., Rt 1, Elizabeth City, NC
 Keaton, Philip Newman, SO, CE, 701 N. Blount St., TE 4-4193, Rt 1, Winston-Salem, NC
 Keech, Leo Berl, JR, MEA, 102 Syme, Box 3502, TE 2-9288, Pantego, NC
 Keel, Melvin Earl, FR, E, 2226 Hillsboro, TE 3-3314, RFD, Pantego, NC
 *Keel, Norwood Saunders, SR, EMA, 32-B Vetteville, TE 3-1741, 513 W. Houghton, Williamston, NC
 *Keen, Joseph Donald, JK, CHE, Rt 4, Raleigh, TE 3-8343, 405 N. Herman St., Goldsboro, NC
 Keen, William Ronald, JR, EE, 215 Bagwell, Box 3347, TE 2-9131, Box 264, Rich Sq., NC
 Keeter, Charlie Lee Jr., FR, ME, 253 Tucker, Box 4720, TE 2-9387, Rt 1, Norlina, NC
 *Keever, Robert Cebe, SO, EE, 409 Peartree Rd., Raleigh, NC, TE 2-5255
 Keistler, James William Jr., FR, CHE, 236 Tucker, Box 4706, TE 2-9387, Rt 1, Great Falls, SC
 Keith, Joseph Leland III, SR, TX, 1814 Park Dr., TE 2-3690, 64 Carroll Rd., Grafton, Mass.
 Keith, Marvin Owen, JR, IRR, 229 Syme, Box 3561, TE 2-9150, Ramey's Circle, Franklinton, NC
 *Kellar, Robert Paul, SR, MEA, 120 Woodburn Rd., TE 2-3701, 262 S. Caldwell St., Brevard, NC
 Keller, James Edward, FR, ME, 303 Syme, Box 3567, TE 2-9222, 30 Forest Ave., Granite Falls, NC
 Keller, Wayne Douglas, JR, EE, 314 Owen, Box 4529, TE 4-9836, Rt 1, Lenoir, NC
 Kelley, Henry Leland, SR, MEA, 120 Hillcrest St., TE 2-6383, 1241 20th St., Newport News, Va.
 *Kelley, Robert Dolan, GR, IE, 1617 Beaver Dam Rd., Raleigh, NC, TE 3-7612
 Kelly, Charles Wesley, SR, TX, 124 Tucker, Box 4635, TE 2-9388, 141 Raines Dr., Henderson, NC
 Kelly, Darrell Brown, JR, ME, 2720 Vanderbilt Ave., TE 2-8919, Box 475, Lillington, NC
 *Kelly, Ernest Cecil, SR, EE, 710 W. Jones St., TE 2-2971, 113 Bauersfeld Ave., Hamlet, NC
 Kelly, James Edward Jr., SO, AG, 111 Alex., Box 4105, TE 2-9257, Mocksville, NC
 *Kelly, Paul O, SR., EE 5655 Western Blvd., Box 459, Newport, NC
 Kelly, Virgil Leonidas, SO, CHE, 235 Tucker, Box 4705, TE 2-9387, Box 202, Baileysville, W. Va.
 Kemp, Bobby Wayne, JR, CE, Sigma Phi Epsilon House, 115 Pinecrest Dr., Fayetteville, NC
 Kemp, Roy Thomas, FR, AED, 7 Berry, Box 4340, TE 2-9350, Rt 1, Louisburg, NC
 *Kenan, Wilfred Mills, Prof, CRE, TE 3-0835, Rt 2, Clinton, NC
 Kendall, Worth Alexander, FR, ME, 312 Becton, Box 3780, TE 2-9372, Rt 2, Wadesboro, NC
 Kendrick, Edward Dickson Jr., JR, NE, 127 W. Park Dr., TE 3-6671, Box 22, Fallston, NC
 Kennedy, Archibald Cleland, SR, CE, Logan, Raleigh, NC
 *Kennedy, Billy Ray, SR, FMM, 209 Gardner St., TE 3-1786, Rt 4, Box 131, Thomasville, NC
 *Kennedy, Herman Edgar Jr., SR, CE, 116½ Groveland Ave., 332 S. 2nd Ave., Siler City, NC
 *Kennedy, Jack Craig, SR, EE, 1800 Park Dr., TE 4-9635, Rt 3, Thomasville, NC
 Kennedy, John Bascombe, FR, FOR, 308 Syme, Box 3572, TE 2-9222, Rt 2, Trinity, NC
 *Kennedy, Thomas Bryant Jr., SR, WT, 22-H Vetteville, TE 2-1971, 3305 Hall Place, Raleigh, NC
 Kennel, Robert Philip, SR, NE, 103 Owen, Box 4402, TE 2-9115, 1703 High St., New Bern, NC
 Kenyon, Geoffrey Buston, GR, ME, 315 Forest Rd., TE 2-3788, 8 Cleveland, Stockton-on-Tees, England
 Kopley, Alexander Jackson, SO, TC, 163 Tucker, Box 4670, TE 2-9388, 1119 Raleigh Rd., Lexington, NC
 *Kopley, Bryce McNeely, JR, EE, 317 S. Boylan Ave., Rt 1, Box 192, Salisbury, NC
 *Kopley, Walton Robert Jr., 2004 Hillsboro, TE 2-1831, 117 Hanliz Ave., Salisbury, NC
 Kermen, Yalcin, SO, 2402½ Everett Ave., Saka Cesme Noik Marpuccular, Istanbul, Turkey
 Kerr, Larry Stevenson, JR, CE, 222 Hillcrest Ave., TE 2-9387, 147 W. Stewart, Mooresville, NC

*Kerr, Walter Bernard, JR, MEA, J. C. Henderson's Trailer Ct., Box 638, HO 7-3952, Rt 4, Kannapolis, NC
 Kessler, Marvin, SR, IRR, 317 Tucker, Box 4697, TE 4-9739, 155-03 Killarney St., Queens, NY
 Ketner, James Chambers, SR, ME, 1115 Hillsboro, TE 2-6250, Rt 5, Salisbury, NC
 Key, Francis Scott Jr., JR, IA, 304 Welch, Box 3214, TE 2-9119, 176 9th St., Cramerton, NC
 *Key, Jack Curnis, SO, IA, 2514 Clark, Raleigh, Robbins, NC
 Kiger, Bobby Gray, SO, ME, 204 Bagwell, Box 3336, TE 4-0935, Rt 1, Walkertown, NC
 *Kiger, Herman Monroe Jr., 2345 Bernard St., Raleigh, NC
 Kiker, William Edward, SR, NE, 111 Watauga, Box 3011, TE 2-9447, 412 Lomax, Monroe, NC
 Kim, You Song, GR, CRE, 306 Gold, Box 3230, TE 2-9226, Seoul, Korea
 Kimbro, Julius Arthur Jr., SO, IE, 128 N. Wilmington St., Apt. D, Raleigh, Yanceyville, NC
 Kimrey, Joel Otto, SR, GEE, 128 N. Wilmington St., Raleigh, Rt 2, Norwood, NC
 Kimrey, Rives Brinn Jr., FR, TX, 109 Bagwell, Box 3009, TE 4-9201, 517 Cross St., Sanford, NC
 Kincaid, Jerry Alden, FR, ME, 329 Owen, FR, ME, Box 4544, TE 4-9300, Rt 1, Lenoir, NC
 Kincaid, Theodore Allen, JR, NE, 1605 Scales St., TE 2-5663, 206 Coulter, Morganton, NC
 *Kinch, Robert E., 982 Harp Terr., Raleigh, NC
 Kincheloe, William Hatcher, JR, IE, 120 Woodburn Rd., Box 5665, Rocky Mount, NC
 King, Allen Calhoun, SR, ME, 103 Syme, Box 3508, TE 2-9238, 513 W. Henderson, Salisbury, NC
 King, Charlie Lincoln, SR, AED, 305 Watauga, Box 3041, TE 2-9132, Lansing, NC
 King, Daniel Ray, FR, IRR, 347 Owen, Box 4558, TE 4-9300, Main St., New Alexandria, Pa.
 King, Henry Frank, FR, CE, 20 Becton, Box 3821, TE 2-9261, Rt 5, Salisbury, NC
 King, James Allen, SO, NE, 152 Tucker, Box 4659, TE 2-9367, 1323 W. Wendover Ave., Greensboro, NC
 *King, James Claude, SR, AED, 125 Brooks Ave., Raleigh, Rt 5, Statesville, NC
 King, James Stewart, FR, ME, 11 Syme, Box 3607, TE 2-9421, Rt 8, Box 599, Charlotte, NC
 King, John Harold Jr., FR, IE, 204 Alex., Box 4136, TE 4-9746, 815 S. 2nd St., Smithfield, NC
 King, Lee Ellis, FR, E, 15 Syme, Box 3611, TE 2-9421, Rt 1, Jamestown, NC
 King, Martin Bruce, SR, EE, 161 Tucker, Box 4668, TE 2-9388, 505 Hamlet Ave., Hamlet, NC
 King, Robert Trauis, SR, AED, Watauga, Box 3039, TE 2-9132, Box 381, Fair Bluff, NC
 King, Stanley Ross, SO, AGE, 107 Tucker, Box 4620, TE 2-9367, Rt 3, Littleton, NC
 King, Truman Lewis Jr., FR, ME, 706 Holden St., Raleigh, NC, TE 4-7830
 King, Wayne Eugar, FR, EE, 45 Tucker, Box 4796, Raleigh, 316 12th St. SW., Hickory, NC
 King, William Garland Jr., FR, ME, 203 Berry, Box 4310, TE 2-9363, E. Pine, Graham, NC
 King, William Preston, SR, AED, 303 Watauga, Box 3039, TE 2-9132, Box 381, Fair Bluff, NC
 Kinlaw, James Michael, SO, DN, 210 Watauga, Box 3028, TE 2-9132, 1119 E. 5th, Lumberton, NC
 Kinsland, Raymond Eugene, SR, AED, 304 Watauga, Box 3040, TE 2-9132, Rt 1, Whittier, NC
 Kiosnes, Nils Ivar, FR, EE, 339 Turl., Box 4298, TE 2-9192, 2319 Cloverdale Ave., Winston-Salem, NC
 Kirby, Donald Heide, SR, TX, 416 Dixie Trail, TE 2-1308, 206 Hillside, Charlotte, NC
 *Kirby, Jesse Rudolph, SR, FMM, TE 4-5483, 509 Grove Ave., Raleigh, NC
 *Kirchdorfer, Louis Ray, SO, MEA, 1311 Canterbury Rd., Box 31, Roseboro, NC
 Kirk, John Loyd, SR, CE, 2514 Clark, TE 3-4522, 145 Smoky Park Hwy., Asheville, NC
 Kirk, William Franklin, FR, ME, 239 Alex., Box 4165, TE 4-9746, Box 194, East Bend, NC
 Kirk, William Henry, JR, ME, 101 Owen, Box 4401, TE 4-7807, 145 Smoky Park Hwy., Asheville, NC
 Kirkland, Benjamin Eagles, SR, HRT, 604 S. Boylan, TE 2-8666, Rt 1, Box 105, Hobgood, NC
 Kirkland, Robert Taft Jr., SO, NE, 2809 Barmettler St., Raleigh, NC, TE 3-2422
 Kirkley, John Marshall, SO, CE, 222 Owen, Box 4477, TE 2-9410, 1541 Cliffwood Place, Charlotte, NC
 Kirkman, Charles Gordon, SO, ME, 103 Chamberlain St., TE 3-6901, Rt 2, Elon College, NC
 *Kirkman, Guy Calhoun Jr., SR, CRE, 1613 Hillsboro, Raleigh
 Kirkpatrick, Robert Marget, FR, E, 264 Owen, Box 4515, TE 2-9252, 2001 Queens Rd. W., Charlotte, NC
 Kirkpatrick, Thomas Wilson, SO, PPT, 127 W. Park Dr., TE 3-6671, Rt 1, Clyde, NC
 Kiser, Albert Rufus Jr., SO, PPT, 243 Tucker, Box 4712, TE 2-9388, 1404 W. 1st, Winston-Salem, NC
 Kistler, Richard Carey, FR, CHE, 163 Owen, Box 4454, TE 2-9115, 724 Orandin Rd., Charlotte, NC
 Kitchin, Lawton Ward Jr., SO, CEC, 214 Bagwell, Box 3346, TE 2-9131, Box 85, Maxton, NC
 Kittrell, Benjamin Upchurch, SO, AED, 2100 Hillsboro, TE 4-6094, Rt 1, Kittrell, NC
 Kivett, William Daffron, FR, EE, 104 Bagwell, Box 3304, TE 4-9219, Rt 2, Ramseur, NC
 *Kizziah, Gene Ferrell, JR, ME, Rt 7, c/o Wallace Hillard, Raleigh, NC
 Kizziah, Jack Darrell, JR, ME, 147 Tucker, Box 4654, TE 2-9367, Queen Ann, Burlington, NC
 Klutz, Johnny Sellinan, SO, CHE, 250 Owen, Box 4501, TE 2-9252, 1304 12th St NE, Hickory, NC
 Klutz, Larry Elmo, SO, NE, 130 Owen, Box 4425, TE 2-9437, Queen St., Boone, NC
 Klutzz, Jimmy H., JR, LA, 217 Becton, Box 3751, TE 2-9334, Rt 5, Salisbury, NC
 Klutzz, Ronald Cooper, JR, FMM, 203 Turl., Box 4234, TE 2-9297, 415 Reel Ave., Pittsburgh 29, Pa.
 *Knight, George Daniel Jr., SR, ARC, 309-D Daniels St., Raleigh, TE 2-4464
 Knight, James Thomas, JR, EE, 124 Owen, Box 4419, TE 2-9115, Charlotte, NC
 Knoefel, Arthur Eugene III, JR, GEE, 2301 Lake Dr., TE 2-8058, 104 Laurel Cr., Black Mountain, NC
 *Knowles, James Linwood Jr., SR, AG, 2414 Greenway Ave., VA 8-2281, Jamesville, NC
 Knowles, William Ross, JR, AG, 120 Owen, Box 4415, TE 2-9437, Rt 1, Jamesville, NC
 *Knox, Haden Edward, SO, AG, 130 Woodburn Rd., Box 130, Raleigh, Rt 1, Davidson, NC
 *Knox, Max Smith, JR, IA, Apt. Y-1, Country Club Homes, VA 8-2042, Box 324, Davidson, NC
 Knox, Richard Douglas, FR, FOR, 3414 Hillsboro, TE 3-4808, 1611 Elwood Ave., Greensboro, NC
 *Knox, Robert Alexander, SO, AED, 7 Dixie Trail, Raleigh, NC
 Knox, William Edward, FR, CE, 217 Alex., Box 4146, TE 4-9746, 129 Clayton St., Winston-Salem, NC
 Koebberling, Karl Otto, SR, NE, 50 Tucker, Box 4800, TE 2-9186, 121 S. Main, Lenoir, NC
 Koehler, Klaus, GR, TX, 5 Dixie Trail, Raleigh, NC, TE 2-3088
 Koenig, Ted S., SR, FOM, 10 Stadium, Box 4355, TE 4-9803, 1105 Garland, Pampa, Texas
 Koepf-Baker, Nicholas Bennett, SO, NE, 349 Tucker, Box 4776, TE 2-9323, Highlands, NC
 *Kopim, Ken-ichi, GR, ST, Dept. of Statistics, TE 2-2598, 205 Ashe Ave., Raleigh, NC
 Kolodij, Koman, SO, PPT, 212 Alex., Box 4141, TE 4-9746, 1607 Nance St., Newberry, SC
 Koloduy, William Patrick, FR, MEA, 120 Turl., Box 4217, TE 4-9279, 502 C St., N. Wilkesboro, NC
 Konkle, Theodore Phineas, SO, GEE, 222 Bagwell, Box 3354, TE 2-9131, Box 94, High Point, NC
 *Konsler, Thomas Rhinehart, GR, ST, UK-35 Verville, TE 2-9282, Rt 2, Henderson, Ky.
 Koonce, Durward Edward, FR, IE, 2713 Vanderbilt Ave., TE 4-0435, Rt 2, Box 212, Trenton, NC
 *Koonce, John Wallace, FR, EE, 743 Hillsboro, TE 2-4902, Box 3204, Fayetteville, NC
 Koonce, Lucy Herman Jr., SO, CE, 306 Becton, Box 3774, TE 2-9372, Rt 2, Raeford, NC
 *Koontz, Max Alfred, SR, NE, 17-E Verville, Kannapolis, NC
 Koop, John Clement, Not in Residence

Kornegay, Bobby Rex, SO, CE, 307 Syme, Box 3571, TE 2-9222, Rt 1, Goldsboro, NC
 *Kornegay, Lewis Gaston, SO, UN, E, 126 Halifax St., TE 2-0094, Albertain, NC
 *Kornegay, Robert Cooper, Rt 1, Smithfield, NC
 Koszewski, Stephen Stanislaus Jr., SO, NE, 320 Turl, Box 4282, TE 2-9192, 1125 Aylesford Rd., Charlotte, NC
 Kratt, Theodore John, SO, CE, 220 Syme, TE 2-9150, Rt 4, Box 214, Matthews, NC
 Kraus, Robert Stafford, SO, EE, 262 Tucker, Box 4729, TE 2-9387, 402 S. 17th St., Wilmington, NC
 *Krauss, William Henry, JR, ME, 20 Mayo St., Apt. 1-5, Raleigh, 409 Clarice Ave., Charlotte, NC
 Kriegel, Gerald William, FR, CRE, 209 Welch, Box 3257, TE 2-9119, 149 Dallam Rd., Newark, Del.
 Krimminger, Thomas Wayne, SO, CRE, 263 Tucker, Box 4730, TE 2-9387, Box 416, Mt. Pleasant, NC
 Kropp, William John, SO, MMF, 2-9 Turl, Box 4238, TE 2-9297, Fort Smith, Ark.
 *Krusberg, Lorin Ronald, SR, PP, 16 Furesch St., Box 5397, TE 2-5323, Rt 4, Elkton, Md.
 Kugler, Rudolph George Jr., FR, MEA, 359 Tucker, Box 4186, TE 4-9739, 3221 Willow Oak Rd., Charlotte, NC
 *Kumm, Joe Fredrick, JR, EE, 530 Oakwood Ave., TE 2-3336, Box 412, Huntersville, NC
 *Kunde, Virgil George, 428 Wayne Dr., Raleigh, NC
 *Kunselman, Mahlon Bassford, SR, FOM, 9 Bagwell Ave., Raleigh, 230 Circle Ct., Fayetteville, NC
 *Kurdian, William Gregory, SO, ME, 105 Montgomery St., TE 4-6552, Rt 1, Winston-Salem, NC
 Kuykendall, Joel Felix, FR, FOR, 1508 Frank St., Raleigh, Rt 1, Canton, NC
 *LaChance, Leo Emery, GR, GN, Gardner Hall, Gan. Dept., Ext. 385, 117 Cox Ave., Raleigh, NC
 Lackey, Edward L., SR, EE, 2400 Delta Dr., TE 4-7914, Box 33, Old Fort, NC
 Lackey, Frank Anderson, SR, AED, 314 Watauga, Box 3050, TE 2-9132, Rt 6, Statesville, NC
 *Lackey, James Richard, SR, TX, 107 Gold, Box 3207, TE 2-9263, Statesville, NC
 Lackey, Walter Jackson Jr., FR, ME, 209 Welch, Box 3257, TE 2-9119, Box 85, Fallston, NC
 Lackey, Robert Roger, SO, ARC, 122 Park Ave., Raleigh, 447 12th St., Toledo, Ohio
 Ladd, Clay R., FR, ME, 204 Bagwell, Box 3338, TE 2-9131, Rt 2, Walnut Cove, NC
 *Ladd, Jack Frank, SR, AED, 2310 McMullon Cir., TE 3-7685, Rt 3, Yadkinville, NC
 Ladd, Joe Darrell, JR, IE, 321 Owen, Box 4536, TE 4-9300, 906 W. Walnut Ave., Gastonia, NC
 Lakin, Larry LaMarr, FR, ED, 135 Owen, Box 4429, TE 2-9437, 705 N. Main St., Nappanee, Ind.
 Lamar, James Beasley Jr., FR, NE, 304 Berry, Box 4324, Raleigh, 565 Overlook, Leaksville, NC
 Lambert, James Robert Jr., SO, IRR, 317 New Bern Ave., TE 2-2264, 52755 Holly Hock Rd., South Bend, Ind.
 Lambert, John Hall, SO, AGE, 62 Tucker, Box 4812, TE 2-9186, Rt 1, Brevard, NC
 *Lambert, Ray Allen, SO, EE, 3821 Western Blvd., Raleigh, 1221 Mortor Rd., Winston-Salem, NC
 Lambert, Roger DeWitt, FR, PPT, 314 Alex., Box 4177, TE 2-9349, Rt 2, Box 62-A, Andrews, SC
 *Lambeth, Clay Thomas Jr., HO 7-4045, 421 S. Academy St., Cary, NC
 Lambright, Charles Mohan, SO, EE, 308 Horn St., TE 2-9050, 16 Kenilworth Rd., Asheville, NC
 *Lamm, Bruce, SO, EE, Box 5074, State College Sta., TE 4-4835.
 Lamm, George Barry, JR, ARC, 8 E. Peace St., Raleigh, 1504 Highland Dr., Wilson, NC
 *Lamonds, Haroce Augustus, GR, EPY, 3358 Hampton Rd., Raleigh, TE 3-9243
 Lancaster, Bobby Nelson, Williams Hall Sta. B, State Hospital, Raleigh, Rt 2, Box 113, Elm City, NC
 Lancaster, Daniel Clarry, FR, MEA, 22 Becton, Box 3823, TE 2-9261, 128 W. Renovah Cir., Wilmington, NC
 Lancaster, James Franklin, FR, MEA, 341 S. Academy St., Cary, NC, HO 7-9192
 Lancaster, James Wilson, SO, TX, 211 Alex., Box 4140, TE 4-9746, 6 1st St., Laurinburg, NC
 Lancaster, Ray Howard, JR, HAC, Sigma Chi House, Box 5665, TE 3-4522, 276 S. Union St., Concord, NC
 Landmesser, Richard Alan, FR, ME, 220 Bagwell, Box 3352, TE 2-9131, 341 Church St., Mocksville, NC
 Landrum, Harold Wilbur, SR, CE, 109 Watauga, Box 3009, TE 2-9447, 1003 Toisnot Ave., Wilson, NC
 Lane, Doris Florence, JR, IE, 200 Woodburn Rd., TE 2-4710, Guaimora, Camaquey, Cuba
 Lane, Russell Herman, FR, AG, 114 Tucker, Box 4625, TE 2-9364, Rt 2, Stantonsburg, NC
 Lane, Thomas William, SO, TC, 215 Owen, Box 4470, TE 2-9252, Box 536, Butner, NC
 *Lane, Walter Robert, SR, IE, 13-D Verville, TE 4-0216
 *Lane, William F., SR, IA, 817-D Daniels St., TE 4-7871, Box 991, Rocky Mount, NC
 Laney, Sherrill Glenn, JR, CEC, 214 Owen, Box 4469, TE 2-9410, Rt 4, Kannapolis, NC
 *Langdon, James Hector Jr., SO, AED, Rt 1, Angier, NC
 Langdon, Lacy Fleming, SO, ME, 325 Becton, Box 3793, TE 2-9372, Rt 2, Angier, NC
 Langley, Eugene Martin Jr., FR, ME, 314 Becton, Box 3782, TE 2-9372, Pee Dee Ave., Albemarle, NC
 Langley, John Paul, SR, DM, 2916 O'Berry St., Raleigh, 501 Hammond St., Rocky Mount, NC
 Langley, Thelbert Eugene, FR, ME, Rt 1, Clayton, NC
 *Langston, Edward Earl, Box 176, Princeton, NC
 Langston, Edward Herman, FR, FOR, 221 Tucker, Box 4698, TE 2-9347, 313 S. Main, Raeford, NC
 Langston, George Dalls Jr., FR, EE, 155 Owen, Box 4446, TE 2-8115, 510 N. Pineview, Goldsboro, NC
 Langston, Harvey Glenn Jr., SO, ME, TE 4-8180, 1001 W. South St., Raleigh, NC
 *Lanier, Gene Buron, FR, AG, 216 Tucker, Box 4687, TE 2-9387, Rt 2, Burgaw, NC
 Lanier, Harvey Glenn, FR, EE, 1209 Chaney Rd., Raleigh, Maple Hill, NC
 *Lanier, James Avon, SO, EE, Wicker Trailer Park, Rt 4, Raleigh, TE 2-4586
 *Lanier, Marvin Ray SR, ME, Apt. 7-H Verville, Rt 7, Statesville, NC
 Lanza, Larry Francis, FR, REC, 326 Tucker, Box 4757, TE 2-8323, 638 4th Ave., Coraopolis, Pa.
 *Lasater, Robert Edward, SR, CE, 6-C Verville, TE 2-8179, Erwin, NC
 *Lashley, Edgar Wallace, FR, CE, TE 2-7498, 1804 Wills Ave., Raleigh, NC
 Lasman, Lonnie Louis, GR, EST, 1208 Chaney Rd., TE 3-4758, 1358 Kenneth St., St. Paul, Minn.
 Lasseter, Robert Haygood, SO, ARC, 129 Becton, Box 3729, TE 2-9412, 457 NE 95th St., Miami 38, Fla.
 *Lassiter, Eddie Shepherd, SR, AI, 1012 Boylan Dr., Raleigh, Rt 1, Four Oaks, NC
 Lassiter, Gaither Calvin Jr., SR, IA-TO, 222 Hillcrest Rd., TE 2-3429, Box 356, Spring Hope, NC
 Lassiter, James Daniel, 5836 Clayton, 220 Church St., Clayton, NC
 Lassiter, Louie Thomas, GR, TXM, 1735 Nottingham Rd., Raleigh, NC, TE 3-1596
 Lassiter, Rav Roberts, JR, WCM, 355 Owen, Box 4566, TE 4-9300, Rt 2, Box 62B, Ahoskie, NC
 Lassiter, William Stone, FR, NE, 334 Becton, Box 3802, TE 2-9372, Box 356, Spring Hope, NC
 *LaSure, Lester James Jr., JR, IE, 2904 O'Berry St., Raleigh, 502 S. 18th St., Wilmington, NC
 Latham, Edward Braddy, SR, CEC, 1720 Hillsboro, TE 4-0451, 210 E. 11th St., Washington, NC
 Latham, Robert Perebree, SR, NE, 107 Welch, Box 3243, TE 2-9119, 416 Salisbury St., Mocksville, NC
 Lathrop, Roy Pynes, JR, IE, 2514 Clark, TE 3-4522, 32 Kensington Dr., Asheville, NC
 Latusick, Bernard John, SO, IRR, 258 Tucker, Box 4725, TE 2-9387, 106 Ohio St., McKees Rocks, Pa.

Langhoun, Kermit Oliver, FR, NE, 136 Tucker, Box 4646, TE 2-9367, Jefferson, NC
 *Laughridge, John Conley, SR, CFC, 2357 McCullon Cir., TE 4-5917, Marion, NC
 Lauthon, William Jeral Jr., JR, EE, 2212 Hope St., TE 2-4972, 512 Fisher St., Morehead City, NC
 Laurie, Mark Emil, JR, IE, 107 Glenwood Ave., TE 4-0455, 3015 Brighton 13 St., Brooklyn 35, NY
 *Laursen, Don Bernhardt, SR, IA, 204 Faircloth St., Raleigh, TE 4-9404
 Lavitt, Leonard E., SO, IE, 304 E. Park Dr., TE 2-7638, 75-66 179 St., Flushing, NY
 Law, Charles James Jr., GR, PF, YMCA, Box 5276, TE 2-7184, Pelham, NC
 Law, Sidney Edward, FR, AGE, 228 Turl., Box 4256, TE 2-9297, Rt 1, Fayetteville, NC
 Law, William Sibley Jr., SO, NE, 360 Tucker, Box 4787, TE 2-9739, Fayetteville, NC
 *Laving, Hugh, JR, EE, Rt 6, Ridge Rd., Raleigh, TE 3-4014
 *Laving, William Dennis Jr., GR, IE, 1817 Glenwood Ave., Apt. 3, Raleigh, 725 Templeton, Charlotte, NC
 Lawrence, Harry Wayne, FR, MEA, 240 Tucker, Box 4710, TE 2-9387, Box 168, Hamlet, NC
 Lawrence, Jesse Macon Jr., FR, EE, 303 Owen, Box 4520, TE 4-9836, 3204 Queenston Dr., Mt Rainier, Md.
 Lawrence, John Anthony, FR, IA, 217 Turl., Box 4245, TE 2-9297, 526 Lincoln Ave., Heidelberg, Pa.
 Lawrence, John James, SR, FMM, 2514 Clark, TE 3-4522, 218 N. Briggs Ave., Durham, NC
 Lawson, James Willis, FR, EE, 362 Owen, Box 4573, Raleigh, Rt 1, Orrum, NC
 Lawson, Vernon Grady, FR, ARC, 327 Syme, Box 3591, TE 2-9222, Rt 7, Box 27, Fayetteville, NC
 *Layden, James Edward, SR, CHE, Rt 2, Raleigh, NC
 Lea, Hurdle Haywood, SR, TX, 2514 Clark, Box 5665, TE 3-4522, 420 Jamestown Rd., High Point, NC
 *Leach, Alfred Kay, SR, AED, 17-F Vetteville, TE 4-2627, Rt 1, Red Springs, NC
 Leach, Ralph Butler, JR, EE, 1720 Hillsboro, Raleigh, Box 324, Aberdeen, NC
 Leach, Roy Eugene, JR, FOM, 203 Turl., Box 4234, TE 2-9297, Julian, NC
 Leath, Robert William, JR, ARC, 223 Bagwell, Box 3355, TE 2-9131, Box 174, Sanford, NC
 Leatherman, Carol James, JR, TX, 117 Owen, Box 4412, TE 2-9437, Rt 1, Newton, NC
 *Leatherman, Frank David, SO, EE, Rt 3, Raleigh, Rt 2, Vale, NC
 *Leatherwood, James Murray, GR, AI, 115 Polk Hall, Ext. 305, Rt 3, Raleigh, NC
 Ledbetter, Curgus Columbus, SR, EE, 2-8 Fourth, Box 3126, TE 2-9159, Box 624, Thomasville, NC
 Ledbetter, James Lewis, JR, AED, 118 Watauga, Box 3018, TE 2-9447, Rt 2, Box 415, Morganton, NC
 Ledbetter, John Foy Jr., SO, CE, 202 Welch, Box 3250, Raleigh, 695 Fairview Rd., Asheville, NC
 *Ledbetter, John Steven, JR, EE&EMA, 1407 Beaver Dam Dr., Raleigh, NC, TE 3-2057
 *Ledford, Earl Eugene, SO, ME, Box 638, Cary, NC, HO 7-3952, W. 5th St., Gastonia, NC
 *Ledford, Charles Wilson, FR, NE, 1121 Wimbeldon Dr., Raleigh, NC, TE 3-7517
 *Ledford, Richard Allison, GR, DM, 1937 Fairfield Dr., Raleigh, Rt 3, Charlotte, NC
 *Ledwell, Claude Atlas, SR, IE, 2829 1/2 Mayview Rd., TE 2-0181, Box 6, Turkey, NC
 *Ledwell, Jerry Vincent, SO, ARC, 2323 Grant Ave., Raleigh, 608 Louise Ave., Charlotte, NC
 Lee, Benjamin Glenn, FR, AG, 15 Becton, Box 3817, TE 2-9261, Hollister, NC
 Lee, Charles Edward, FR, EE, 519 Gardner St., Raleigh, NC, Rt 5, Sanford, NC
 Lee, Claude Esben Jr., JR, MEA, 3812 Sherman Ave., Raleigh, TE 2-3730
 Lee, Donald Ross, SO, ARC, 133 Alex., Box 4127, TE 2-9257, Rt 11, Box 555, Charlotte, NC
 Lee, Harold Guy, FR, CE, 230 Turl., Box 4250, TE 2-9297, 1340 W. Na. Ave., Dumbur, W. Va.
 *Lee, Helene Zinka, GR, GN, TE 3-2003, Box 5356, Raleigh, NC
 Lee, Horace Alton, FR, GS, 904 W. South St., Raleigh, NC
 Lee, James Sumner, FR, EE, 211 Watauga, Box 3027, TE 2-9132, 513 George St., Durham, NC
 Lee, Jimmy Baine, FR, ME, 328 Syme, Box 3592, TE 2-9222, Rt 2, Lumberton, NC
 Lee, Jimmy Dale, JR, CEC, 207 Syme, Box 3539, TE 2-9150, Rt 1, Oakboro, NC
 Lee, John Allen, FR, ME, 230 Tucker, Box 4701, TE 2-9387, 702 Ashwood, Kannapolis, NC
 Lee, John Harrison Jr., FR, E, 315 Owen, Box 4530, 701 W. Winsor, Monroe, NC
 Lee, John Wayland, SO, ME, 101 N. Boylan Ave., TE 2-3650, 213 Colonial Dr., Burlington, NC
 Lee, Jui-ming, GR, EE, 312 Gold, Box 3236, TE 2-9263, Taipei, Taiwan
 Lee, Larry Marion, FR, ME, 314 Bagwell, Box 3380, TE 4-9151, 723 Parker St., Graham, NC
 *Lee, Milton Wayne, JR, EE, 102 Berry, Box 4302, TE 2-9350, 3621 Holt's Chapel Rd., Greensboro, NC
 *Lee, Praise Connor, SR, ARC, TE 2-3440, 834 Jones Ave., Raleigh, NC
 Lee, Robert Davis, FR, AGE, 316 Becton, Box 3784, TE 2-9372, Box 275, Norwood, NC
 Lee, Robert Barlow, SO, ME, 203 Groveland Ave., TE 2-6861, 202 E. Church St., Laurinburg, NC
 Lee, Sung Won, 3107 Hillsboro, Box 5773 State College Station, Seoul, Korea
 Lee, Vincent, SO, EE, 307 Gold, Box 3231, Raleigh, 1619 Parkwood Ave., Charlotte, NC
 Lee, Wing-Kai, 318 Turl., Box 4280, Raleigh, 75 Robinson Rd., 3rd St., Hong Kong
 Leech, Robert Charles, FR, IRR, 129 Turl., Box 4226, TE 4-9279, 316 Elmita St., Winsport, Pa.
 Leffer, Dennis Frank, FR, EPY, 257 Tucker, Box 4724, TE 2-9387, 2714 Bucknell, Charlotte, NC
 Lefkowitz, Leonard Robert, GR, TX, 11 1/2 Dixie Dr., TE 4-8368, 170 Second Ave., Troy, NY
 Leggett, Ira Paul Jr., FR, NE, 325 Becton, Box 3793, TE 2-9372, 423 E. 9th St., Washington, NC
 Leigh, Richard Henry Jr., FR, CE, 203 Berry, Box 4310, TE 2-9363, 2320 W. Club Blvd., Durham, NC
 *Lellouche, Gerald Stanley, GR, NE, 127 Halifax St., Raleigh, 84-50 Austin St., New Gardens, Queens, NY
 Lemons, Benjamin Elias, SO, EPY, 333 Turl., Box 4294, TE 2-9192, 2410 Woughtown St., Winston-Salem, NC
 *Lemons, Clifton Eugene, SO, ME, Box 638, Cary, NC, HO 7-3952, 3806 Cameron, Greensboro, NC
 *Lemons, Earl Chapin, SR, AED, 802 Wilmington Terr., Raleigh, Box 193, Pittsboro, NC
 Lemons, Richard Kenneth, SO, ME, 331 Alex., Box 4194, TE 2-9349, 117 Meadow Rd., Draper, NC
 Lenas, Leandros, GR, CHE, 207 Alumni House, Cihangir, Cihangir Cad. 24 5, Istanbul, Turkey
 Lennon, Thomas Preston, JR, FOM, 255 Tucker, Box 4722, TE 2-9387, 704 Glenwood Ave., Anderson, SC
 *Leonard, Bobby E., GR, NE, 600 Latta St., TE 3-0863, 1502 Duplin Rd., Raleigh, NC
 Leonard, James Cleveland III, FR, ME, 257 Owen, Box 4508, TE 2-9252, 3412 S. Main St., Winston-Salem, NC
 *Leonard, Lee Orville, JR, EE, 910 Powell Dr., Raleigh, NC, VA 8-2269
 Leonard, Ralph Auery, JR, SOC, 2100 Hillsboro, TE 4-6094, Rt 2, Lexington, NC
 Leonard, Robert Lindsay, JR, AGC, 2100 Hillsboro, TE 4-6094, Rt 6, Lexington, NC
 Leonard, Rufus Nelson, SO, AG, Rt 3, Wake Forest, NC, TE 3-2962
 Leone, Orazio Torre, SR, HAC, 343 Tucker, Box 4775, TE 4-9739, Box 858, Colon, Rep. of Panama
 Leray, Didier, GR, CHE, Dept. of CHE, 64 Bd. Inkermann, Neuilly, France
 Lester, George Washington, FR, IE, 4 Becton, Box 3806, TE 2-9261, 308 Starling Ave., Martinsville, Va.
 Lesur, Daniel, GR, NE, Gold, Box 3202, TE 2-9263, 53 Bd. Vauban, Lille Nord, France
 Letchworth, Charles Franklin, SO, AGE, 225 Owen, Box 4480, TE 2-9410, Rt 1, Box 46, Kinston, NC
 Leveque, Pierre Andre Jr., SO, NE, 222 Tucker, Box 4693, TE 2-9387, Hotel Oxford, Oxford, NC

Levine, Sanford L., SR, TX, 304 E. Park Dr., TE 2-7638, 1519 E. 27th St., Brooklyn, NY
 *Lewis, Cecil T., SO, WCM, 2141 Cowper Dr., Raleigh, Box 61, Henderson, NC
 *Lewis, David Randall, FR, EE, 325 Bagwell, Box 3391, TE 4-9151, Rt 3, Goldsboro, NC
 Lewis, Don Clayton, FR, IA, 248 Owen, Box 4499, TE 2-9252, Rt 1, Germantown, NC
 Lewis, James Albert Jr., SO, IRR, 318 Becton, Box 3786, TE 2-9372, Rt 5, Dunn, NC
 Lewis, James Spencer, SO, CEC, 5 Stadium, Box 4350, TE 4-9803, 1507 E. Beach St., Goldsboro, NC
 *Lewis, James Thomas, SR, ME, 4-V Country Club Homes, TE 4-8595, Box 26, Jonesville, NC
 Lewis, John Robert, SR, AED, Watauga, Box 3053, TE 2-9132, Rt 1, Box 109, Ayden, NC
 Lewis, Kenneth McMillan, FR, AG, 5 Becton, Box 3807, TE 2-9216, Rt 2, Fayetteville, NC
 Lewis, Marcus Faison, SO, CHE, 212 Berry, Box 4319, TE 2-9363, Gen. Del., Roseboro, NC
 *Lewis, Mary Anderson, UN, TX, 7 Dixie Trail, Raleigh, NC
 *Lewis, Nelson Taylor Jr., JR, EE, 981 Harp Terr., Raleigh, 213 Florida Ave., Morehead City, NC
 Lewis, Philip Leslie, FR, ME, 109 Oberlin Rd., TE 4-1547, 512 Central Blvd., Wilmington, NC
 Lewis, Robert Earl, SR, EE, 141 Tucker, Box 4651, TE 2-9388, 1700 E. 5th St., Lumberton, NC
 *Lewis, Russell Jay, GR, Soils, 1405 Beaver Dam Rd., Raleigh, Index, Ky.
 *Lewis, Tommie Kemp, JR, IRR, 7 Dixie Trail, Raleigh, NC
 *Lewis, William Richard, SR, HAC, 606-C Daniels St., Raleigh, Rt 2, Box 308, Wilmington, NC
 *Lewis, Worth Pegram, SO, CHE, TE 4-2642, 102 Duodont Cir., Raleigh, NC
 Li, Peter Pon-Duen, GR, TX, 1210 Glenwood Ave., Box 5817, TE 4-9011, Kobe, Japan
 *Ligudri, Robert Richard, SR, NE, TE 4-4893, 413 Guilford Cir., Raleigh, NC
 Liles, Richard Terry, FR, AG, 229 Turl., Box 4257, TE 2-9297, Rt 4, Zebulon, NC
 *Lilley, Glenn Neumon Jr., SR, AED, 11 Maiden Lane, TE 4-3921, Gatesville, NC
 Lilly, Thomas Frederick, SO, IE, 313 Bagwell, Box 3379, TE 2-9131, Rt 7, Burlington, NC
 Limer, William Hight, JR, MEA, 2232 Hillsboro, TE 4-6591, Warrenton, NC
 Lin, Clara Ju-Yuan, GR, Soils, 3205 Hillsboro, TE 2-1284, No. 1 Chung-Hsiao Lane, Taichung, Formosa
 *Lin Yung-huan, UN, FOR, 400 N. Person St., TE 3-6782, 5 Lane 58, 3rd Sec., Roosevelt Rd., Taipei, Taiwan
 Lind, Tommy, SO, ARC, 2513 Clark, Box 5656, TE 2-0268, Marion, NC
 Linder, Bobby Dwayne, FR, IE, 328 Syme, Box 3592, TE 2-9222, 716 Ryan St., Salisbury, NC
 Lindsay, Donald Sherald, SO, EE, 154 Tucker, Box 4661, TE 2-9367, Rt 3, Mt. Olive, NC
 *Lindsay, Harry Vernon, JR, TX, 2404 Clark, Apt. 5, Raleigh, NC, TE 3-4406
 Lindsay, Ronald Gerald, FR, E, 154 Tucker, Box 4661, TE 2-9367, Rt 3, Mt. Olive, NC
 Lindsey, John Ronald, SR, MAG, 2514 Clark, TE 3-9522, Box 5116, Tate St. Sta., Greensboro, NC
 Lindsey, Larry Caleb, JR, REC, 365 Tucker, Box 4792, TE 2-9323, Youngsville, NC
 *Lindsey, Marvin Frederick, GR, ST-GEN, Rt 1, Cary, NC, VA 8-2139, Bartley, Nebr.
 Lindsey, Hugh Randolph, SR, MAG, 3414 Hillsboro, TE 3-4808, 403 Watts St., Williamston, NC
 Lineberger, Earl Lawrence Jr., FR, CE, 141 Owen, Box 4435, TE 2-9115, Rt 1, Bessemer City, NC
 Lineberger, Harold Reid, JR, AI, 235 Turle, Box 4261, TE 2-9297, Rt 2, Box 302, Dallas, NC
 *Lineberger, James Worth Jr., SR, IE, 120 1/2 S. Blount St., Box 5504 State College Station, 1300 Nat'l. New Bern, NC
 Lineberger, Lewis Barker, SR, CE, 305 Syme, Box 3569, TE 2-4222, Rt 1, Box 108, Woodleaf, NC
 Lineberger, Wade Michell, FR, ME, 47 Owen, Box 4581, TE 2-9142, Box 75, Claremont, NC
 Lineberry, Edgar Columbus, JR, MEA, 104 Bagwell, Box 3304, TE 2-9412, 711 Spring La., Sanford, NC
 Liner, James Reginald, SO, AED, 158 Williams Hall, 324 Hillsboro, Raleigh, NC
 Lingerfelt, Danny Herbert, FR, CHE, 55 Tucker, Box 4305, TE 2-9186, 103 W. Chestnut, Morganton, NC
 Lingle, Douglas Eugene, JR, EMA, 316 Owen, Box 4531, TE 4-9836, Box 26, Faith, NC
 Lingle, Fred Jr., FR, ME, 307 Berry, Box 4327, TE 2-4363, McCubbins St., Salisbury, NC
 *Lippard, John Henderson Jr., SR, EE, 27 Caroline Ave., TE 4-5893, Rt 1, Cleveland, NC
 *Little, Beverly Grace, SO, NE, 2302 Hillsboro, TE 2-2741, Rt 1, Jefferson, NC
 Little, Cecil Stanley, FR, ME, 126 Alex., Box 4121, TE 2-9257, 2621 Camden Rd., Greensboro, NC
 *Little, Fred Oscar Jr., JR, EE, 30-A Vetteville, Rt 2, Box 224, Hickory, NC
 Little, Herbert Randolph, FR, ME, 219 Syme, Box 3551, TE 2-9150, 615 Park Ave., Ayden, NC
 Little, Jerry Labon, CHE, 14 Becton, Box 3916, TE 2-9261, 301 King St., Monroe, NC
 Little, Robert Dicky Ross Jr., SO, ME, 322 Turl., Box 4284, TE 2-9192, Rt 3, Wadesboro, NC
 *Little, Robert Murray Jr., Prof., ARC, 13-B Vetteville, Raleigh, NC, TE 4-7758
 Little, William Brown, SR, ARC, 310 Welch, Box 3270, TE 2-4119, 607 W. 4th St., Gastonia, NC
 Littlejohn, William Asbury, JR, NE, 104 Dixie Trail, Raleigh, 836 Wellington Rd., Winston-Salem, NC
 Liu, Shing-Gong, GR, EE, 307 Gold, Box 3231, TE 2-9263, Box 84, Taipei, Taiwan, Free China
 Livengood, Charles Dwayne, SR, TC, 13 Becton, Box 3815, TE 2-9261, Rt 1, Linwood, NC
 Livengood, Charles Sidney, SO, ME, 210 Berry, Box 4317, TE 2-9363, 601 Lincolnton Rd., Salisbury, NC
 Livengood, Wayne T., SO, AED, 118 Tucker, Box 4629, TE 2-9388, Rt 3, Carthage, NC
 *Livesay, Edward Alexander, SO, ME, 425 Glenwood Ave., Raleigh, Box 462, Wallace, NC
 *Lloyd, Carl Julius, Lillington 3155, Box 475, Buies Creek, NC
 Lloyd, Charles Edward, SO, CE, 719 Chamberlain St., Raleigh, 1700 Fountain View, Charlotte, NC
 Lloyd, Donald Gray, GR, AMA, 110 Watauga, Box 3010, TE 2-9447, 2 Cooper St., Fayetteville, NC
 *Lloyd, Kenneth Denimal Jr., SO, CE, 2808 Knowles St., Raleigh, NC
 Loche, John Joel, SO, MAG, 2514 Clark, TE 3-4522, Rt 1, Enfield, NC
 Lockey, Victor Eugene, JR, TX, 112 Bagwell, Box 3312, TE 4-9219, 1132 N. Alexander St., Charlotte, NC
 *Lockrow, Wilbur LeMet, SR, CE, 1323 Ridge Rd., Raleigh, TE 2-7787
 Lockwood, James Nance, FR, FOR, 236 Owen, TE 2-9252, 5204 Holston Dr., Knoxville, Tenn.
 Loesch, Peter Joseph, GR, FC, 2412 Everett, TE 2-6377, 109-07-222 St., Queens Village, NY
 Loewenstern, Michael, FR, ARC, 140 Tucker, Box 4050, TE 2-9388, Cra 15 sur 6-31, Cali, Colombia
 *Loflin, Chairman Donald, JR, CE, 22-A Vetteville, VA 8-2749, Rt 2, Box 122, Roanoke Rapids, NC
 *Loflin, Robert Jones, SO, EPY, Buffalo Trailer Prk, Rt 3, Raleigh, 405 Council St., Thomasville, NC
 *Logan, James M., 217 E. Land St., Raleigh, NC
 Lohr, George Edmund Jr., SO, CE, 2601 Clark, TE 2-8631, 314 N. Aspen St., Lincolnton, NC
 Lombard, Charles Klem, JR, NE, 1092 Nichols Dr., TE 4-2153
 Long, Carl Cline Jr., FR, CRE, 106 Syme, Box 3506, TE 2-9288, Box 314, Valdese, NC
 Long, Charles Eugene, SO, IA, 115 Woodburn Rd., Raleigh, Box 1316, Concord, NC
 Long, Forest Stevenson, SO, WCM, 43 Tucker, Box 4795, TE 2-9186, Box 288, State Rond, NC
 Long, George Frederick, SR, ME, 131 Alex., Box 4126, TE 2-9257, 1125 Montieu, High Point, NC
 Long, Hugh Brevard, FR, AED, 331 Tucker, Box 4762, TE 2-9232, Rt 1, Shelby, NC
 Long, Joe Calvin, SR, IA, 913 W. Johnson St., Raleigh, 417 N. 3rd St., Mebane, NC

Long, Paul Froneberger, SO, MEA, 307 Beeton, TE 2-9371, 115 W. Washington Ave., Bessemer City, NC
 Long, Richard Bruce, SO, EE, 303 Welch, Box 3263, TE 2-9119, 2840 Konnoak Dr., Winston-Salem, NC
 *Long, Thomas B. Jr., JR, EE, 100 Horne St., Apt. 2, TE 4-8918, Box 1534, Winston-Salem, NC
 Long, William Barry, FR, HAC, 208 Owen, Box 4465, TE 2-9252, 609 E. 4th St., Gastonia, NC
 Long, Zebulon Yance, SO, ME, 304 Beeton, Box 3772, TE 2-9372, Rt 2, Tarboro, NC
 Longmire, Eugene Ray, FR, MEA, 26 Syme, Box 3622, TE 4-9805, 30 Onteroa Blvd., Asheville, NC
 *Lorimer, Thomas, GR, RS, 1509 $\frac{1}{2}$ Hillsboro, TE 4-2556
 Loughlin, James David Jr., SR, GEE, 302 Fourth, Box 3128, TE 2-9159, Rt 3, Box 328, Wilmington, NC
 Loughlin, Kenneth Clarke Jr., SO, TX, 2612 Clark, Raleigh, 1858 Queens Rd., W. Charlotte, NC
 Love, Jimmy Oscar, FR, DN, 218 Tucker, Box 4689, TE 2-9387, Rt 13, Box 628, Concord, NC
 *Love, Mumford C. Jr., Box 628, Cary, NC
 *Lovin, Henry Grady Jr., GR, FOM, Box 638, Cary, HO 7-3952
 *Lowdermilk, William Porter, JR, CE, 7-G Vetville, TE 4-9438
 Lowe, James Edward, FR, NE, 162 Tucker, Box 4669, TE 2-9367, Starmount Dr., Greensboro, NC
 Lowery, Edwin Lawrence Jr., SO, EE, 324 Syme, Box 3588, TE 2-9222, 515 W. Elm, Wingate, NC
 Lowman, Felton, SO, CE, 312 Syme, Box 3576, Raleigh, Gen. Del., Connelly Spring, NC
 Lowmire, Gene Ray, JR, NE, 127 W. Park Dr., TE 3-6671, Rt 3, Box 178-A, Tabor City, NC
 Lowry, Edward Rankin Jr., FR, CE, 354 Owen, Box 4565, TE 4-9836, 106 Forestdale Dr., Greensboro, NC
 Lowry, Eugene, FR, ARC, 2220 Hillsboro, TE 2-4383, 2912 E. Center, Kingsport, Tenn.
 *Lowry, John Walter, SR, HAC, 4-C Vetville, Raleigh, NC
 Lucas, Ashleigh Martin, TE 4-2404, 2713 Kilgore Ave., Raleigh, NC
 Lucas, Charles DeForest, Not in Residence
 Luczycki, Stanley, 6 Bagwell Ave., Raleigh, Great Bend, NY
 Lupold, Hugh McCall, JR, FOM, 3414 Hillsboro, TE 3-4808, 2928 Delano Dr., Columbia, SC
 *Lupton, Army O'Brian, SR, EE, 915 $\frac{1}{2}$ New Bern Ave., TE 4-9416, Oriental, NC
 *Luquire, David Hugh, SO, EE, 1515 Angier Ave., Durham, NC 3-5604
 Luther, Robert Willard Jr., SO, GEE, 364 Owen, Box 4575, TE 4-9336, 1202 Woodruff, Elizabeth City, NC
 Luther, Ted Williams, FR, AED, 2209 $\frac{1}{2}$ Hope St., Box 5171, Raleigh, Box 117, Candler, NC
 Luxton, Lonnie Fred Jr., FR, ME, 8 Beeton, Box 3810, TE 9-2961, Box 53, Bahama, NC
 *Lyda, George Suell, 931 Wilmington Terr., Raleigh, NC
 Lyday, Russell Osborne Jr., FR, NE, 57 Tucker, Box 4807, TE 2-9186, 1610 Nottingham Rd., Greensboro, NC
 Lyerly, Harvey Dick, SO, ME, 303 Welch, Box 3263, TE 2-9119, Box 116, Faith, NC
 Lyles, Charles Thomas, FR, FOR, Bagwell, Box 3401, TE 2-9412, 123 McGill St., Sanford, NC
 Lynch, Roy Graham Jr., FR, EE, 187 Turl., Box 4224, TE 4-8279, Box 74, Chimney Rock, NC
 *Lynch, Walton Kenneth, JR, TX, 505 Peebles St., Raleigh, NC, TE 3-6731
 Lyne, Robert Chamberlayne Jr., SR, NE, 3414 Hillsboro, TE 3-4808, 4319 Fauquier Ave., Richmond 27, Va.
 *Lynn, Victor Bryant, SO, AED, Rt 4, Box 525, Durham, NC
 Lyon, Thomas Henry, SO, EE, 125 Alex., Box 4120, TE 2-9257, 224 Monmouth, Durham, NC
 *Lyons, Thomas Robert Jr., JR, CE, Wilson's Trailer Ct., Rt 4, Raleigh, 4204 Lake Ave., Wilmington, NC
 Lych, William Dupree Jr., FR, ME, 327 Syme, Box 3591, TE 2-9333, 201 W. Vance, Laurinburg, NC
 Lytle, Carroll Dean, 209 Turl., Box 4238, TE 2-9297, Rt 1, Old Fort, NC
 Mabrey, Benny Howard, FR, ME, 218 Tucker, Box 4689, TE 2-9387, 59 Jackson Terr., Concord, NC
 *Mabry, Clyde Benton Jr., SR, AGE, 805 W. Lenoir, TE 3-0611, Rt 1, Norwood, NC
 Mabry, John Benton Jr., FR, AG, 233 Owen, Box 4478, TE 2-9410, Rt 2, Norwood, NC
 MacCallum, Malcolm David Jr., SO, MEA, 13 Stadium, Box 4358, TE 4-9803, 665 S. Bennett St., So. Pines, NC
 Maccarone, Joseph John, JR, IED, 315 Syme, Box 3579, TE 2-9222, 56 High St., Fairport, NY
 *Mace, Marshall Ellis, GR, PP, 2376 Wesley Rd., Raleigh, NC
 Mace, Samuel Viers, FR, FOR, Owen, Box 4582, TE 2-9412, Hartford Rd., Hydes, Md.
 MacGillivray, Robert Andrew, SO, IRR, 324 Turl., Box 4286, TE 2-9192, 64 Granite Ave., Dorchester, Mass.
 Mackay, Stanley Richard, JR, TX, 216 Hillcrest Rd., TE 3-4993, Rt 3, Box 82, Greensboro, NC
 *MacMillan, Francis Bruce, Box 5661, 1213 Filner, Raleigh, NC
 MacQueen, Peter, SR, IA, 112 Bagwell, Box 3312, Clinton, NC
 MacRae, John Samter IV, JR, ARC, 115 Parks Dr., Raleigh, 111 S. Hill St., Greensboro, NC
 *Madden, Cecil Gray, SR, ME, 303 N. Boylan Ave., TE 4-1398, 101 McKinnon Ave., Hamlet, NC
 Maddox, Joseph Emerson, JR, GEE, 238 Turl., Box 4263, TE 2-9297, 34 Springdale Lane, Gastonia, NC
 Madre, Edward Lee, FR, CEC, 376 Syme, Box 3590, TE 2-9222, Rt 1, Hertford, NC
 Madren, Frank Simpson, FR, EE, 126 Turl., Box 4223, TE 4-9279, Rt 1, Elon College, NC
 *Madren, Paul Lee Jr., JR, EE, 935 Wilmington Terr., TE 4-8354, Ossipee, NC
 *Maddrey, James Theodore, GR, IA, Rt 6, Leesville Rd., Raleigh, NC
 *Magee, Aden Combs III, GR, AI, UK 46 Vetville, Box 5332, TE 4-6814, Raleigh, NC
 *Mageean, James Vernon, SR, NE, 317 Calvin Rd., Raleigh, NC
 Magette, Kindred Pope, SO, PPT, Syme, Box 3528, Courtland, Va.
 *Magistad, John Gilbert, GR, EST, 2433 Wesley Rd., TE 4-8393, Raleigh, NC
 Mahaney, Arthur Randolph Jr., FR, FOR, Beeton, Box 3744, TE 2-9334, Box 35, Kenbridge, Va.
 Maharam, David Elliot, FR, TX, 229 Alex., Box 4158, TE 4-9746, 73-68 195th St., Flushing, NY
 Mahmoud, Ahmed Yassin, TX, Box 5804, Raleigh, NC
 Maltese, Arthur Jasper, JR, TX, 1720 Hillsboro, TE 4-0451, 36 Buckingham Pl., Glen Rock, NJ
 *Maine, Ellsworth Chapman, GR, PP, UK 20 Vetville, TE 3-1826, Raleigh, NC
 Makely, George McBurnan, SR, NE, 1606 Glenwood, TE 2-6543, 2514 Sherwood, Greensboro, NC
 *Makhlof, Hassam Ibrahim, TX, Box 5331, Alexandria, Egypt
 Malley, Vincent William, 202 Graveland Ave., Apt. 5, 129 Huntley Dr., Ardsley, NY
 Mallios, William Steve, EST, Alumni Dorm, TE 2-9322, 419 N. 4th, Lafayette, Ind.
 Mallory, David Sheldon, FR, AG, 119 Bagwell, Box 3319, TE 4-9219, Baldwin Rd., Arden, NC
 Malpass, William Don, FR, CE, 1 Reeton, Box 3803, TE 2-9261, 851 Woodstock Rd., Norfolk, Va.
 *Manchester, Edwin Henley, SO, WPM, TE 2-6506, 225 $\frac{1}{2}$ Forest Rd., Raleigh, NC
 Mancini, Gerald Daniel, FR, IRR, 258 Tucker, Box 4725, TE 2-9387, 712 11th St., McKees Rocks, Pa.
 Mandakis, Basile James, SO, EE, 341 Tucker, Box 4771, 2306 Queen St., Winston-Salem, NC
 *Maner, James Dennis, SR, EE, 2706 Bedford Ave., TE 3-7445, Rt 84, Franklinville, NC
 Maness, John Kent, SO, TX, 240 Owen, Box 4494, TE 2-9522, Box 1, Biscoe, NC
 Maness, Stony Freeman, FR, EE, Turl., Box 4205, TE 4-9279, Swansboro, NC

Mangum, Erbie William Jr., JR, NE, 115 Hawthorne, TE 4-4193, 2711 Beck Rd., Durham, NC
 Mangum, Gary Lionell, FR, AG, Welch, Box 3265, TE 2-9119, Rt 2, Waxhaw, NC
 Manley, Fred William, JR, AED, 11 YMCA, Box 5276, TE 2-7184, Rt 5, Reidsville, NC
 Mann, Carroll L. III, JR, WCM, 1412 Canterbury Rd., TE 4-3932, Raleigh, NC
 Mann, Daniel Ferrel, JR, IAD, Fourth, Box 3113, TE 2-9159, Box 275, Manteo, NC
 Mann, Douglas Donald, FR, ARC, 312 Welch, Box 3272, TE 2-9119, 5328 Baltimore Ave., Chevy Chase, Md.
 Mann, Edmund Spencer Jr., SO, CE, 2226 Hillsboro, TE 3-1140, Isabella Ave., Washington, NC
 Mann, George Waters Jr., JR, CE, 267 Owen, Box 4517, TE 2-9252, Box 84, Bartow, Fla.
 *Mann, Harold Reid, FR, EE, 107 Ashe Ave., Rt 2, Mebane, NC
 Mann, James Leroy, FR, CE, 347 Tucker, Box 4774, TE 2-9323, 322 Chestnut St., Mill Hall, Pa.
 Mann, Robert Kent, SR, AGC, 108 Watauga, Box 3008, TE 2-9447, Rt 1, Mebane, NC
 *Manning, Asa Moye, SR, CE, 36-B Verville, TE 4-0411, Raleigh, NC
 Manning, Don Pace, JR, ME, 222 Turl., Box 4250, TE 2-9297, Rt 2, Box 60, Greenville, NC
 Manning, Ernest Simons, FR, CEC, 216 Turl., Box 4243, TE 2-9297, 1600 Highland Dr., Wilson, NC
 Manning, Joseph Clifton, FR, CE, Owen, Box 4500, TE 2-9252, 212 S. Boddie St., Nashville, NC
 Mansfield, Charles Edward, FR, EE, 260 Tucker, Box 4727, TE 2-9387, Rt 4, Box 75, Greensboro, NC
 *Marbry, Charles David, SO, EE, Rt 4, Wicker Trailer Ct., Rt 1, Box 300, Albemarle, NC
 Mariott, Charles Noel, Rm 202, Alumni Bldg., Autera Mota 50, Puerto Plata, Dominican Rep.
 Markham, James Willis, FR, IA, 318 Syme, Box 3582, TE 2-9222, 709 Sheperd, Durham, NC
 Marinkov, George, IRR, 206 Berry, Box 4254, TE 2-9363, 313 N. 5th St., Lebanon, Pa.
 Marks, Henry Alexander Jr., SO, AGE, 311 Welsh, Box 3271, TE 2-9119, 2720 Mimosa, Wilmington, NC
 Marks, William Olen, FR, ME, Rt 6, TE 3-8150, Raleigh, NC
 *Marler, Raymond Lesue, GR, FOR, 2717 Vanderbilt, TE 2-2126, 1404 Meadowbrook Rd., Charlottesville, Va.
 Marley, William Grady Jr., FR, E, Becton, TE 2-9372, Box 58, Lumber Bridge, NC
 Marley, William Howard, SO, NE, 232 Bagwell, Box 3364, TE 2-9131, 390 Crestview, Southern Pines, NC
 Marlow, Kenneth Larry, SO, EE, 227 Tucker, Box 4698, TE 2-9387, 1304 N. Ridge, Kannapolis, NC
 Marlow, Edgar Earl, JR, ABC, 308 Fourth, Box 3134, TE 2-9159, 505 W. Fold St., Kings Mtn., NC
 Morocco, Frank Joseph, SO, REC, 317 Turl., 493 Hopewell Ave., Aliquippa, Pa.
 *Marriott, Robert Henry Jr., SR, FC, 1009 Gardner St., TE 3-7758, Box 88, Battleboro, NC
 Marrow, Thomas Field III, SO, CE, 5 Stadium, Box 4350, 205 S. Pineview, Goldsboro, NC
 Marsh, Harold Stinson, FR, EE, 208 Welch, Box 3256, Box 172, Siler City, NC
 Marsh, Jerry Lee, SR, CEC, 215 Hillcrest, TE 3-2789, Greensboro, NC
 Marsh, John Wilson, Tucker, Box 4646, Jefferson, NC
 *Marshall, Henry Vance Jr., SR, FC, Rt 2, TE 3-1293, Raleigh, NC
 *Marshall, James Vernon, SR, MED, Wendell, Box 687, FO 5-4391, Rt 1, Louisburg, NC
 Marshall, Michael Gorney, FR, DN, 257 Owen, Box 4508, TE 2-9252, 1015 E. Sprague, Winston-Salem, NC
 *Martin, Alyce Jean Kirett, GR, MA, 211 Groveland Ave., TE 3-6905, Raleigh, NC
 Martin, Charles Edward, FR, CE, 254 Tucker, Box 4721, TE 2-9387, 304 Mulberry, Lenoir, NC
 Martin, Chreston Furman, GR, NE, 203 Alumni, Box 5372, TE 2-9322, Rt 1, Landrum, SC
 *Martin, Evrette Lewis, SR, FMM, 2902 Everett Ave., TE 2-1476, 3001 Centennial, High Point, NC
 *Martin, Frank Garland, GR, EST, 211 Groveland Ave., TE 3-6905, Raleigh, NC
 Martin, Gus, 2212 Hope St., Raleigh, 2417 Woodland Ave., Des Moines, Iowa
 *Martin, John Campbell, GR, EE, 2805 Everett Ave., TE 4-8194, Raleigh, NC
 *Martin, John Locke, SK, ME, Box 638, Cary, Rt. 3, N. Wilkesboro, NC
 Martin, James Clyde, SO, AGP, 409 Chamberlain, 3001 Centennial, High Point, NC
 Martin, James Edward, FR, NE, Cary, Box 297, HO 7-9249, Rt 1, Cary, NC
 Martin, Kenneth U., Box 2275, Raleigh, NC
 Martin, Nathaniel Alexander, SO, FRR, 10 Berry, Box 4343, Danbury, NC
 Martin, Robert Eugene, SO, EE, 10 Stadium, Box 4355, TE 4-9803, Box 545, Hildebran, NC
 Martin, Robert Lee, FR, EE, 161 Tucker, Box 4668, Box 413, Marion, NC
 Martin, Roy Hoyt Jr., SO, IE, 101 Bagwell, Box 3301, TE 4-9219, Oakland, Hendersonville, NC
 Martin, Sammie Lester, SO, ME, 105 Watauga, Box 3005, TE 2-9447, 611 N. Center, Statesville, NC
 Martin, Wilbur Baine Jr., SO, TX, 1720 Hillsboro, TE 4-0451, 1824 N. Indep. Blvd., Charlotte, NC
 *Martin, William Gilbert, GR, AI, 2624 Kilgore Ave., Raleigh, NC
 Martindale, John Alexander Jr., SO, DN, 307 Alex., Box 4172, TE 2-9349, Ansted, W. Va.
 Martinson, Fred Helman, FR, FOR, 220 Owen, Box 4475, TE 2-9410, 5509 Greencrest Rd., Knoxville, Tenn.
 Mason, Carle Woodruff Jr., JR, TC, 708 St. Mary's, TE 4-6366, 3422 Willow Oak Rd., Charlotte, NC
 Mason, Edward Douglas, FR, EE, 336 Owen, Box 4550, Box 643, Burlington, NC
 Mason, Frank Duff, 2712 Vanderbilt, Raleigh, 26 E. 2nd Ave., Kennewick, Wash.
 Mason, Franklin Gleech, FR, IA, 907 W. Johnson, TE 2-0817, 809 Herring Ave., Wilson, NC
 Mason, Homer Livingston, JR, MEA, 107 Bagwell, Box 3307, Fayetteville, NC
 Mason, Homer Livingston, JR, MEA, 201 Alex., Box 4133, 108 Highland, Fayetteville, NC
 Mason, Luther Lee, JR, IA, 139 Owen, Box 4433, TE 2-9437, Yadkinville, NC
 *Mason, Romulus Haywood Jr., FR, IA, 1616 Harper Rd., Rt 2, Kinston, NC
 *Mason, William H., SO, EE, 2404 Milburne Rd., TE 3-7439, Raleigh, NC
 Massel, Gary Alan, FR, NE, 124 Becton, Box 3724, TE 2-9256, 3515-A Parkwood Dr., Greensboro, NC
 *Massengill, Ransom Jackson Jr., FR, ME, 409 Wayne Dr., VA 8-2088, 420 N. Hardee, Durham, NC
 Massengill, Roy Harold, SR, IE, 203 Fourth, Box 3121, TE 2-9159, Rt 2, Kenly, NC
 *Massey, James Stanley, JR, CEC, 133 Becton, Box 3733, TE 2-9256, Rt 7, Winston-Salem, NC
 Massey, Larry Emette, FR, CE, 340 Tucker, Box 4770, TE 2-9323, Rt 6, Statesville, NC
 Massey, Mildred Dianne, SO, NE, 2512 Vanderbilt, TE 4-8656, de Berry Grove, Tarboro, NC
 Massey, Murray Franklin, SO, CE, 204 Berry, TE 2-9363, Jamestown, NC
 Massey, William Franklin, JR, FC, Zebulon, HN 9-3142, 903 Avendell Ave., Zebulon, NC
 Massey, William Marceys Jr., SO, CHE, 214 Tucker, Box 4685, TE 2-9387, 2219 Oleander Dr., Wilmington, NC
 Mast, William Howard, SO, CEC, 209 Watauga, Box 3027, TE 2-9132, Rominger, NC
 Mateer, Charles Harry, SR, CE, 2512 Clark Ave., TE 2-4843, 424 Hawthorne Lane, Charlotte, NC
 *Matheson, Charles Leonard, FR, ME, 1001 Glenwood Ave., TE 3-5182, Raleigh, NC
 *Mathew, Kulathinal Mathew, SR, TX, 207 Gold, Box 3219, TE 2-9263, Kulathinal Kozhencheri, S. India
 *Mathews, George Getzen, SR, IE, 10-C Verville, TE 3-9493, Laurel Hill, NC
 Matthews, David Augustus Jr., JR, GEE, 2302 Hillsboro, TE 2-2741, 2239 Forest Dr., Charlotte, NC
 Matthews, David Maurice, FR, IE, 45 Owen, Box 4580, TE 2-9142, 5308 Hamlet Ave., Balto 14, Md.
 Matthews, John Calvin, FR, AED, 219 Bagwell, Box 3351, TE 2-9131, Rt. 8, Sanford, NC

*Matthews, Joseph Carson Jr., UN, AGC, 4706 Western Blvd., TE 3-8095, Raleigh, NC
 *Matthews, Knox VanBoren, JR, AI, 301 Bagwell, Box 3367, TE 4-9131, Aberdeen, NC
 *Matthews, Richard Wesley, JR, ME, 313 Alex., Box 4176, TE 2-9349, 103 Forest Dale Dr., Greensboro, NC
 *Matthews, Samuel Calvin, FR, ME, 2712 Everett Ave., TE 2-6776, Raleigh, NC
 *Matthews, Vassar Cameron Jr., SO, FMM, 263 Tucker, Box 4730, TE 2-9384, 1030 Fisher Ferry Rd
 Thomasville, NC
 *Mattocks, Robert Lynwood II, JR, FOR, 125 Alex., Box 4120, TE 2-9257, Maysville, NC
 *Mauldin, Hugh Edgar Jr., SO, ME, Bagwell, Box 3350, TE 2-9131, Rt 8, Box 266, Salisbury, NC
 *Mauldin, Ronald Lee, SO, MEA, 219 Owen, Box 4474, TE 2-9410, 91 Freeze St., Concord, NC
 *Mauney, James Robert, SR, CE, 5655 Western Blvd., TE 4-3756, Rt 2, Cherryville, NC
 *Mauney, James William, SO, CE, 131 Becton, Box 3731, TE 2-9256, Rt 4, Lincolnton, NC
 *Mauney, Ronald Matthew, FR, CE, Tucker, Box 4815, Rt 4, Shelby, NC
 *Maus, James Reginald Jr., JR, ME, 2513 Clark Ave., Box 5656, TE 2-0268, 112 Odell Pl., Greensboro, NC
 *Maxwell, Allen Herr Jr., JR, EE, 224 Turl., Box 4252, TE 2-9297, 305 Tate, Morganton, NC
 *Maxwell, Albert Jay III, SR, ARC, 1311 Beaver Dam Rd., TE 4-7491, 103 Purser Bldg., Goldsboro, NC
 *Maxwell, Junius K., GR, AG, 211 Gold, Box 1204, TE 2-9263, Box 11, Pink Hill, NC
 *May, Robert Edward, JR, CHE, 103 Welch, Box 3239, TE 2-9119, 502 W. Lenoir, Kinston, NC
 *May, James Lynn, JR, MEA, 112 Harnson, Rt 2, La Grange, NC
 *May, Vester Jeff, FR, GEE, Owen, Box 4428, TE 2-9115, Box 539, Andrews, NC
 *Mayberry, Hassell G., JR, IE, 807 N. Person, TE 2-3219, 2834 Greenway, Winston-Salem, NC
 *Mayer, Ronald Michael, FR, CE, 352 Tucker, Box 4779, 72 Henrietta, Asheville, NC
 *Mayo, Ben Coakley II, SR, TX, 124 Henderson, TE 4-6903, Tarboro, NC
 *Mayo, Gilbert Ward, SO, NE, 230 Turl., Box 4258, TE 2-9437, Aurora, NC
 *Mayse, Bobby Franklin, SO, TC, 112 Owen, Box 4408, TE 2-9437, 1116 Spindale St., Spindale, NC
 *Mazutis, Joseph Edward, SO, IA, 318 Bagwell, Box 3384, 3 Adam, Newark 5, NJ
 *McAdams, Robert Michael, SR, NE, 210 Welch, Box 3258, TE 2-9119, 709 W. Front, Burlington, NC
 *McAlister, James Nevis, SR, IE, 37-B Vetville, Rt 5, Box 1062, Kannapolis, NC
 *McAteer, Porter Lee, JR, IE, 307 Owen, Box 4524, TE 4-9300, 425½ S. Linwood, Gastonia, NC
 *McAyley, John Franklin, FR, ME, 62 Owen, Box 4596, TE 2-9142, 2539 Crescent, Charlotte, NC
 *McBane, George Clyde, FR, MEA, 354 Owen, Box 4565, TE 4-9836, Union, Hillsboro, NC
 *McBrayer, Robert Douglas, SO, CRE, 14 Turl., Box 4276, TE 2-9192, Box 412, Forest City, NC
 *McBroom, John Barclay Jr., SO, EE, 307 Watauga, Box 3043, TE 2-9132, 946 W. Chapel Rd., Asheville
 NC
 *McBride, James Edd, SO, AED, 225 Tucker, Box 4696, TE 2-9387, Rt 6, Mt. Airy, NC
 *McCaen, William Jennings, FR, FOR, 9 Becton, Box 3811, TE 2-9261, Rt 2, Candler, NC
 *McCall, Donald Jackson, SO, IE, 341 Tucker, Box 4771, Drexel, NC
 *McCall, George Raleigh, SO, MA, 314 Syme, Box 3578, TE 2-9222, Box 583, Thomasville, NC
 *McCarley, Alexander Oldham, FR, MEA, 238 Owen, Box 4492, TE 2-9252, Box 58, Wilmington, NC
 *McCarn, Richard Harrison, SR, EE, 12-A Vetville, TE 3-9316, Box 337, Kannapolis, NC
 *McCarson, Larry Jay, FR, E, 110 Welch, Box 3246, TE 2-9119, 411 Blue Ridge, Hendersonville, NC
 *McCarter, Bobby Gene, SR, AGE, Rt 3, c/o Mont. Ser. Sta., Rt 1, Tryon, NC
 *McCaslin, Joe Clarence, SR, ME, 2402 Clark Ave., TE 2-0731, Rt 1, Maiden, NC
 *McChristian, Glenn Edward, GR, CE, 1432 Banbury Rd., Rt 8, Fayetteville, Ark.
 *McClain, William Robert, SO, IA, 258 Tucker, Box 4725, TE 2-9387, 845 Ohio Ave., Monaca, Pa.
 *McClintock, Coy Edwin, FR, EE, Turl., Box 4254, TE 2-9297, Rt 1, Pleasant Garden, NC
 *McClure, Harold Monroe, SO, PSPV, Box 5658, Animal Dis. Lab., Ext 486, Rt 5, Franklin, NC
 *McCollum, Charles Gray, FR, ME, Owen, Box 4505, Rt 5, Reidsville, NC
 *McComb, David Moore, FR, MEA, Tucker, Box 4680, TE 2-9186, 637 3 Ave. NW., Hickory, NC
 *McConnell, Charles, SR, AI, 237 Owen, Box 4491, TE 2-9410, Rt 2, Hendersonville, NC
 *McCormick, Robert Alexander, JR, FOR-WPM, 225 Becton, Box 3759, TE 2-9334, Rt 2, Box 22, Fayetteville,
 NC
 *McCoy, Edward Gordon, GR, WCM, 224 Alex., Box 4153, TE 4-9746, Rt 2, Snow Hill, NC
 *McCoy, Harry Lee, SR, WPM, 3206½ Clark, TE 4-5912, Blancheater, Ohio
 *McCracken, Albert Johnson Jr., SR, AGE, 102 Horne St., Apt 9, Waynesville, NC, Rt 4.
 *McCrary, Clifford Ray Jr., FR, EE, Tucker, Box 4715, TE 2-9387, 316 W. 7th Ave., Lexington, NC
 *McCrary, Walker Beaton, 5655 Western Blvd., Rt 1, Clyde, NC
 *McCraw, Alan Howard, FR, EE, 267 Tucker, Box 4733, TE 2-9387, 504 Woodrow Ave., High Point, NC
 *McCree, James Justice, FR, CHE, 105 Welch, Box 3291, TE 2-9119, Holly Ridge, NC
 *McCuston, Phil Thomas Jr., FR, MEA, 221 Tucker, Box 4692, TE 2-9387, Mountain St., Kernersville, NC
 *McCullough, John Edward, FR, E, 264 Owen, Box 4515, TE 4-9746, 1236 E. Bird, Charlotte, NC
 *McCutchan, David Arthur, GR, NE, 521 N. East St., TE 3-7796, Raleigh, NC
 *McDaniel, Earl Wilson, JR, CHE, 9-F Vetville, TE 4-1901, Rt 2, Salisbury, NC
 *McDaniel, James Winfred, SO, PPT, 123 N. Wilmington, Raleigh, NC
 *McDermott, Hugh Arthur, SR, ME, 19 Stadium, Box 4364, Box 543, Vass, NC
 *McDonald, Charles Edward, JR, CE, 133 Turl., Box 4228, TE 4-9279, Rt 2, Box 182, Lillington, NC
 *McDonald, Christopher Richard, SO, EPY, 224 Becton, Box 3758, TE 2-9334, Box 255, West End, NC
 *McDonald, Claude Harris, FR, EE, 114 Turl., Box 4211, TE 4-9279, Rt 3, Box 98, Concord, NC
 *McDonald, Glenn Malcolm, SR, ME, 131 Becton, Box 3731, Elon College, NC
 *McDonald, John Rex, FR, ME, Alexander, Box 4163, TE 4-9746, Rt 1, Cameron, NC
 *McDonald, Robert Lamont, JR, ME, 2 Stadium, Box 4347, TE 4-9803, Rt 4, Goldsboro, NC
 *McDowell, Bobby Ray, JR, FMM, 356 Tucker, Box 4783, TE 2-9323, 3035 N. Main, High Point, NC
 *McEachern, George Hutaff, JR, PPT, 109 Alex., Box 4107, TE 2-9257, 2522 Guilford Ave., Wilmington,
 NC
 *McEachern, Hugh Alexander Jr., FR, CHE, 119 Owen, Box 4414, TE 2-9437, Rt 3, Box 152, Wilmington,
 NC
 *McElroy, Charles Harvey, FR, CE, 209 Bagwell, Box 3341, TE 2-9131, 65 State, Asheville, NC
 *McElroy, William Louis, JR, HAC, 1720 Hillsboro, TE 4-0451, Box 465, Lake Junaluska, NC
 *McElwee, Robert L., GR, FOR, 1305 Beaver Dam, TE 2-6035, Raleigh, NC
 *McEwen, Arthur Johnson, SO, EE, 5655 Western Blvd., TE 3-5482, 2401 Charlotte Dr., Charlotte, NC
 *McFadden, Kenneth Edgar, JR, CE, 12-D Vetville, TE 2-5540, 3311 Freeman Mill Rd., Greensboro, NC
 *McFarland, Myrle Gene, FR, ME, 128 Alex., Box 4123, 215 Elm St., High Point, NC
 *McGaha, Jack Edward, SR, IATO, 13-A Vetville, TE 4-0684, Brevard, NC

McGaha, Phillip Morris, SO, CEC, 62 Tucker, Box 4812, TE 2-9388, Rt 1, Brevard, NC
 McGahey, John Alan, SO, CHE, 308 Tucker, Box 4741, TE 2-9323, Parkway 500, High Point, NC
 McGarr, Robert L., SR, CE, 2220½ Hillsboro, TE 4-1781, Rt 2, Box 227, Edenton, NC
 McGavisk, James Ross, SO, MEA, 141 Tucker, Box 4651, TE 2-9388, 713 W. Del. Ave., Draper, NC
 *McGavran, Edward Grafton Jr., SR, EE, Box 6333, TE 3-9852, Raleigh, NC
 McGayron, Merrill Payne, JR, EE, 902 W. South St., TE 2-1722, 708 Greenwood Rd., Chapel Hill, NC
 McGee, Carl Louis, FR, NE, 360 Owen, Box 4571, TE 4-9300, Rt 1, Box 371, Lenoir, NC
 McGee, William Earl, SR, MEA, 2126 Mayview, TE 2-4843, Rt 8, Box 258, Greensboro, NC
 McGinn, Leighton Edward Jr., FR, CE, 62 Owen, Box 4596, TE 2-9142, 2422 Vail Ave., Charlotte, NC
 McGinnis, Jerry Ronald, FR, EE, 351 Owen, Box 4562, TE 4-9300, 10 Princeton, Asheville, NC
 *McGinnis, Paul Henkle Jr., GR, CHE, 720 Chamberlain, TE 4-6854, 507 W. Gold, Kings Mtn., NC
 *McGlavery, Neal Vannoy, GR, RS, 210 Wilmot Dr., TE 4-9604, Raleigh, NC
 McGlomery, Johnny Renal, JR, DM, 2100 Hillsboro, TE 2-7561, 114 Broom, Statesville, NC
 McGowan, James Alton Jr., FR, ME, 137 Tucker, Box 4647, TE 2-9388, Winston-Salem, NC
 *McGuinn, Kerry Chadwick, SO, ME, 2922 O'Berry, TE 2-2193, Raleigh, NC
 McHan, Fred Lee, SR, FC, 202 Alex., Box 4134, TE 4-9476, Rt 3, Bryson City, NC
 McIlwain, Earl Closs Jr., JR, FC, 2718 Clark Ave., TE 2-6451, Rt 2, New Bern, NC
 McIntosh, Ervin Winfield, FR, WCM, 213 Alex., Box 4142, TE 4-9746, 215 S. Front, New Bern, NC
 McIntosh, Thomas Franklin, SR, EE, 205 Welch, Box 3253, TE 2-9119, 206 Norton Rd., Mt. Holly, NC
 *McIntyre, Charlie Black, JR, AED, Wicker Trailer Court, Rt 4, Raleigh, NC
 *McIntyre, Daniel Lee, SO, EE, 7-C Verville, TE 2-1636, Rt 1, Oakboro, NC
 McIntyre, David Stuart, SR, IRR, 115 Hawthorne, 69 Talooch Ave., Pawtucker, RI
 McIntyre, Johnny Albert, SO, EE, 2210 Hope, TE 2-9871, Box 284, Robbins, NC
 *McIntyre, Martin Laval, GR, HRT, 118 Kilgore, Ext 418, 1206 Onslow Rd., Raleigh, NC
 *McIver, Randolph Dewitt, JR, CE, 2802½ O'Berry, Raleigh, 1314 Chestnut, Wilmington, NC
 McKeithan, Phyllis Neal, 615 E. Hargett, TE 2-3509, Raleigh, NC
 McKeithan, Robert Elmore, SO, PPT, 129 Becton, Box 3729, TE 2-9356, Clarkton, NC
 McKenzie, James Marshall, SR, IE, 125 Becton, Box 3725, Salemburg, NC
 McKinney, Donald Buddy, JR, EE, 352 Tucker, Box 4779, TE 2-9333, Rt 1, Reidsville, NC
 *McKinney, Royce Leun, SR, MEA, 3821 Western Blvd., Raleigh, NC
 *McKinnon, Philip Johnson, FR, EE, Bagwell, Box 3369, TE 4-9151, 712 Mills St., Raleigh, NC
 *McKnight, Ernest Penn, JR, EE, 223 E. Lane, TE 2-8140, 2110 Freeman, Winston-Salem, NC
 *McKnight, Hugh Morris, JR, EE, 223 E. Lane, TE 2-8140, 1319 Bretton, Winston-Salem, NC
 *McLamb, Harold Dixon, SR, MAG, 20-D Verville, Rt 2, Newton Grove, NC
 *McLamb, Nathan Henry, FR, CE, 206 Becton, Box 3740, TE 2-9334, Rt 1, Box 180, Clinton, NC
 *McLaughlin, Tolley Barnett, SR, TX, 1341 Chester Rd., TE 3-7018, Raleigh, NC
 *McLaurine, William Monroe III, SO, ME, 2512 Clark, TE 2-4843, 402 Fountain Pl., Burlington, NC
 *McLean, Arthur Frazier, SO, ME, 2703½ Clark Ave., 657 S. Warley, Florence, SC
 *McLelland, Philip Roger, SO, CHE, 528 Hilltop Dr., TE 3-0422, Raleigh, NC
 *McLendon, Lloyd Lamar, SO, ME, 1905 Clark Ave., Box 174, Mt. Gilead, NC
 *McLeod, Edward Lenard, GR, TX, 2710 Gordon, TE 3-2477, Raleigh, NC
 McLeod, Ingram Blair Jr., SO, EMA, 217 Tucker, Box 4688, TE 2-9387, 1516 NW Blvd., Winston-Salem, NC
 McLeod, John Edgar, SO, ME, 162 Tucker, Box 4669, TE 2-9367, 623 Kildee, Lexington, NC
 McLeod, Leo Conrad, FR, CE, 217 Tucker, Box 4688, TE 2-9387, 1516 NW Blvd., Winston-Salem, NC
 McLester, James Robert, SO, HAC, 367 Owen, Box 4577, TE 4-9300, Lumberton, NC
 McLoughlin, Wayne Miller, SO, AG, 13 Syme, Box 3609, TE 2-9421, Rt 3, Mooresville, NC
 McMahon, Charles David, FR, TX, 330 Tucker, Box 4761, TE 4-9739, Box 192, Swannanoa, NC
 *McManus, George Cleveland, FR, IE, 311 Becton, Box 3779, TE 2-7392, Box 909, Albemarle, NC
 *McMinn, James Wilburn, SO, FOR, 217 Owen, Box 4472, TE 2-9410, 368 London Rd., Asheville, NC
 McNairy, Holly A. Jr., FR, IA, 15 Syme, Box 3611, TE 2-9421, Rt 7, Box 374, Greensboro, NC
 McNatt, James Dobbin, JR, WT, College Infirmary, TE 2-7615, 621 Wesley Pl., High Point, NC
 McNeely, Ralph Donald, SO, MEA, 120 Bagwell, Box 3320, TE 4-9219, Box 222, Drexel, NC
 McNeill, Donald Charles, FR, ENG, Becton, Box 4788, TE 2-9372, Rt 2, Red Springs, NC
 McNeill, Gaither Clie, AG, Syme, Box 3615, Rt 1, Box 4, West Jefferson, NC
 McNeill, James Ralph, FR, ENG, 19 Syme, Box 3615, Rt 1, Box 38, Lansing, NC
 McNeill, John Hugh, SO, EE, 109 Becton, Box 3709, TE 2-9256, Box 686, Red Springs, NC
 McNeill, Robert Calhoun, JR, EE, 203 Groveland Ave., TE 2-6861, Laurel Hill, NC
 McNeill, Thomas Alexander, JR, AGP, Becton, Box 3799, TE 2-9372, Rt 1, Raeford, NC
 McPherson, Grover Cleon, 2100 Hillsboro, TE 4-6094, Rt 1, Box 76, Clarendon, NC
 McPherson, John David, SO, ME, 205 Becton, Box 3739, TE 2-9334, 139 Ridge Ave., Salisbury, NC
 McPherson, Thomas Michael, SO, MEA, 317 Becton, Box 3785, TE 2-9372, 340 S. Roxboro Rd., Durham
 McPherson, Victor Wynne, SO, CEC, 257 Tucker, Box 4724, 109 Hall Ave., High Point, NC
 *McQuay, James Newton, 12a Dixie Dr., 3200 Tuckasee Rd., Charlotte, NC
 McQueen, Jessie Mae, FR, NE, Rt 4, Holly Springs Rd., TE 3-8251, Raleigh, NC
 McRae, David Scott, FR, MEA, 203 Bagwell, Box 3335, Box 275, Ellerbe, NC
 *McRaney, Neal L. Jr., SR, TX, 1009 Foller, TE 3-1692, Laurinburg, NC
 McRary, John Walter, FR, ENG, 226 Bagwell, Box 3353, TE 2-9131, 42 Lawrence Pl., Asheville, NC
 McRee, Kenneth Wayne, FR, EE, 233 Owen, Box 4498, Rt 2, Newton, NC
 *McRorie, Andrew Franklin, GR, CE, 209 Colleton Rd., TE 4-3011, Raleigh, NC
 *McSweeney, Guy Porcher, AFROTIC, Det. 595, 1003 Tower St., Raleigh, NC
 McVicker, Gerald Peadar, FR, ARC-DN, 248 Owen, Box 4499, TE 2-9252, Box 567, Maxton, NC
 McVicker, James Reginald Jr., SR, ARC, 2513 Clark Ave., Box 5656, TE 2-0268, Box 567, Maxton, NC
 Meade, Charles Houston, FR, NE, 101 Syme, Box 3501, TE 2-9288, 2021 Sunset Ave., Durham, NC
 Meadows, Bobby Lawrence, FR, CE, 101 Syme, Box 3501, TE 2-9288, 1781 Chapel Hill Rd., Durham, NC
 Meads, Laster Byron, FR, E, Owen, Box 4527, Rt 4, Box 578, Elizabeth City, NC
 *Meares, Elbert Clifton, JR, MER, 113 N. Wilmington, Raleigh, Gloucester, NC
 *Medders, Ronald Russell, SO, EE, 614 Kirby, TE 4-3611 Ext. 440, Raleigh, NC
 *Medford, John David, JR, CE, 56 Owen, Box 4590, TE 2-9142, Box 23, Clyde, NC
 Medlin, James Hubert Jr., SR, CE, 340 Alex., Box 4199, TE 2-9349, 2522 Monroe, Wilmington, NC
 Medlin, Judith, JR, HRT, 1910 Park Dr., TE 2-0746, 1809 Cochran Pl., Charlotte, NC
 *Mechan, Richard Brinsley Jr., JR, CE, 202 Owen, Box 4459, TE 2-9410, 38 Saco St., Asheville, NC
 *Meeks, Crawford Russell Jr., 512 Wayne Dr., 316 Clayton St., Winston-Salem, NC

Meeks, Fredrick Tibett, SO, EE, 327 Turl., Box 4289, TE 2-9192, Box 53, Wadesboro, NC
 Meeks, Olin Jackson, SO, CE, 63 Owen, Box 4597, TE 2-9142, Union Rd., Leaksville, NC
 Melchor, Archie Otis, JR, CEC, 137 Tucker, Box 4647, TE 2-9388, 432 Carpenter, Mooresville, NC
 Meloni, David Joseph, 206 Berry, Box 4313, TE 2-9363, 437 Ter. Dr., Pittsburgh 38, Pa.
 Melton, Jesse Daniel, SR, AED, 317 Watauga, Box 3053, TE 2-9132, Rt 2, Box 94, Enfield, NC
 *Melvin, Raymond James Jr., JR, EE, 8-F Verville, TE 4-6281, Raleigh, NC
 Memoli, Vincent, FR, FMM, 120 Alex., Box 4116, TE 2-9257, 1173 Colgate Ave., New York 72, NY
 Memory, Donald W., SR, CHE, 3414 Hillsboro, TE 3-4008, Wagram, NC
 *Menscer, Darrell Vance, SO, EE, 922 Tower, TE 2-8508, 229 Walnut, Statesville, NC
 Menzies, Henry Hardings Jr., GR, ARC, 2220 Hillsboro, TE 2-4383, Raleigh, NC
 Merchel, Frank John, IRR, 115 Hathorne Rd., 269 Baxter, Pawtucket, RI
 *Merrick, Austen David, JR, FC, 2703 Bedford Ave., TE 4-2285, Rt 2, Asheville, NC
 Merricks, James Allen, SO, CHE, 215 Syme, Box 3547, TE 2-9150, 1105 Law, Box 128, Reidsville, NC
 *Merritt, Alton Barton Jr., GR, CE, 2403 Greenway Ave., VA 8-2050, Raleigh, NC
 Merritt, Johnny Floyd, JR, CEC, 328 Bagwell, Box 3394, TE 4-9151, Box 222, Weldon, NC
 Merritt, Max Burrage, FR, 20 Becton, Box 3821, TE 2-9261, Rt 1, Richfield, NC
 Merritt, Samuel Chester, SO, PPT, 2732 Layden, TE 4-1462, Raleigh, NC
 Metter, Don Wieland Jr., FR, CHE, 226 Tucker, Box 4697, TE 2-9387, 1317 Harding Pl., Charlotte, NC
 Metters, Norman Thomas, SO, CHE, 252 Gardner, Statesville, NC
 Mettrely, William Webbie Jr., SO, CE, 1402 Wake Forest Rd., TE 2-3267, Raleigh, NC
 Meyer, Harold David, SR, GEE, 1806 Hillsboro, TE 2-2565, Gerton, NC
 Meyers, Richard Martin, JR, ME, 216 Hillcrest Rd., TE 3-4993, 6 Kings Ter. Rd., Great Neck, NY
 Mia, Abdul Jabbar, GR, BO, TE 4-5211 Ext 267, 91 Armanitola Dacra, Jacca, East Pakistan
 Michael, William Baxter, FR, NE, 301 Turl., Box 4266, TE 2-9192, Bostic, NC
 Michaels, Thomas David, FR, E, 415 4th St., TE 4-2989, Raleigh, NC
 *Michie, William Harris, SR, MEA, 2811 Fowler Ave., TE 4-8621, Raleigh, NC
 Micol, Larry Joe, JR, EE, 207 Welch, Box 3255, TE 2-9117, Rt 1, Box 55, Waldese, NC
 *Middleton, William Ransom Jr., FR, IA, 719 Sasser St., TE 4-0102, Raleigh, NC
 Midgett, Robert Eugene, GR, AMA, 125 Hillcrest Rd., TE 2-2259, Fairfield, NC
 Miketa, Donald A., SR, WCM, 312 Alex., Box 4175, TE 2-9349, 359 State St., Baden, Pa.
 Mikolaities, Julius Michael, GR, WCM, 201 Gold, Box 5213, TE 2-9263, 138 Willow St., Lawrence, Mass.
 Miller, Bobby Russell, FR, IA, 306 Welch, Box 3266, TE 2-9119, Cross Mill Sta., Marion, NC
 Miller, Charles Albert Jr., JR, DN, 710 W. Jones, Rt 1 Box 228A, Lynnhaven, Va.
 *Miller, Charles F. Jr., SR, ARC, 125 Woodburn Rd., TE 2-1462, 306 Marshall St., Waynesville, NC
 Miller, Charles Herbert, SO, EE, 3008 Churchill Rd., TE 3-3571, Raleigh, NC
 Miller, Crawford Paul, SR, EPY, 6 Enterprise, TE 2-4788, Rt 2, Albemarle, NC
 Miller, Daniel William, FR, NE, 6 Becton, Box 3808, TE 2-9261, Rt 7, Salisbury, NC
 *Miller, DeWitt, SO, AG, 1104 Glenwood Ave., TE 3-1762, Beulaville, NC
 Miller, Eric Brian, FR, HAC, 254 Tucker, Box 4721, Box 126, Lenoir, NC
 *Miller, Frank Lewis, FR, FOR, 3101 Douglas, TE 4-9504, 413 Maple, Burlington, NC
 Miller, Gary Dennis, SO, EE, 209 Tucker, Box 4682, TE 2-9387, 1118 Carolina Ave., Albemarle, NC
 Miller, George Kimball Jr., JR, MEA, 240 Turl., Box 4265, TE 2-9297, Box 97, Old Fort, NC
 Miller, Gordon Proffitt, SO, PV, 13 Owen, Box 3815, Laurel Springs, NC
 Miller, Henry Eugene Jr., SO, CE, 116 Tucker, Box 4627, TE 2-9388, 115 Borden Ave., Wilmington, NC
 Miller, Henry Van, SO, NE, 130 Hawthorne, TE 4-7325, 426 W. End Blvd., Winston-Salem, NC
 Miller, Hugh Max, GR, RS, 1957 Clark, TE 4-4170, Rt 4, Winston-Salem, NC
 Miller, James Carlton, SR, EC, 40 Dixie Dr., TE 4-0816, West Jefferson, NC
 Miller, James Graham, 3104 Raymond, Raleigh, NC
 Miller, James Sharples, JR, TX, 3414 Hillsboro, TE 3-4808, 17 Carey Rd., Great Neck, NY
 Miller, James William, FR, ME, 301 Tucker, Box 4734, TE 2-9323, 47 Davie St., Cooleemee, NC
 Miller, John Aubrey, SO, EE, 258 Owen, Box 4509, TE 2-9252, 634 Holland Dr., Statesville, NC
 Miller, Marshall Edward Jr., JR, HAC, 1710 Hillsboro, TE 4-2001, 7 Hillcrest, Concord, NC
 Miller, Michael Joseph, SR, TX, 2078 Park Ave., 3130 Hillcrest Ave., Allentown, Pa.
 Miller, Morris Durwood, FR, EPY, 12 Syme, Box 3608, TE 2-9421, Rt 2, Box 56, W. Jefferson, NC
 Miller, Ransom Dale, FR, E, Tucker, Box 4694, TE 2-9186, Rt 5, Hickory, NC
 Miller, Rex Franklin Jr., FR, CE, 160 Tucker, Box 4667, 717 4th Ave. NW., Hickory, NC
 Miller, Robert Bennett, JR, MEA, 7 Enterprise St., TE 4-0735, Box 126, Lenoir, NC
 Miller, Robert Eugene, FR, NE, 50 Owen, Box 4584, TE 2-9115, Rt 6, Box 815-K-2, Charlotte, NC
 Miller, Robert Frederick, GR, TC, 1606 Greenwood, 751 2nd St. NE., Hickory, NC
 Miller, Robert Richard, GR, MA, 301 Gold, Box 3225, TE 2-9263, Rt 2, Albemarle, NC
 Miller, Thomas Wayne, FR, AG, Berry, Box 4320, TE 2-9363, Box 49, Rt 3, Tabor City, NC
 *Miller, Wayne Waddell, JR, CEC, 2513 Clark Ave., Box 5656, TE 2-0268, Rt 4, Box 516-C, Greensboro, NC
 Miller, William David, FR, CHE, 209 Becton, Box 3743, TE 2-9334, Rt 4, Box 516-C, Greensboro, NC
 *Miller, William Edward, SR, ME, College View Trailer Pk., TE 2-9110, 1123 W. Henderson, Salisbury, NC
 Miller, William Hugh, SR, ME, 203 Watauga, Box 3021, TE 2-9132, Box 225, Boone, NC
 Miller, William Lawton, SR, IA YMCA, Box 5276, TE 2-7184, Rt 1, Beulaville, NC
 Miller, William Spencer, SO, EE, 322 Owen, Box 4537, TE 4-9300, Rt 1, Clemmons, NC
 Mills, Allen G., FR, DN, 309 Alex., TE 2-9349, 626 Jersey Ave., Winston-Salem, NC
 *Mills, Frank Anderson, 993 Harp Terr., Statesville, NC
 *Mills, Harold Wayne, Wilsons Trailer Park, Rt 4, Raleigh, Rt 1, Waynesville, NC
 Mills, James Marcus Jr., SO, AED, 110 Turl., Box 4207, TE 4-9279, Rt 1, Wallace, NC
 Mills, Noble Bloomfield, FR, EE, Becton, Box 3705, TE 2-9256
 Mills, Wade Thomas, FR, WCM, 210 Becton, Box 3744, TE 2-9334, Rt 1, Farmville, NC
 Mills, William Ambrose III, SR, TC, 240 Alex., Box 4166, TE 4-9746, Box 902, Tryon, NC
 *Millsaps, Joseph C., 411 W. Aycock, Raleigh, NC
 *Mingia, Samuel Leland, SR, EE, 990 Peace Terr., Box 5191, TE 4-5874, Raleigh, NC
 Mink, Lawrence Albright, SR, NE, 60 Tucker, Box 4810, TE 2-9186 Rt 1, Box 313, Winston-Salem, NC
 Minshew, William Edward Jr., SO, ARC, 2607 Clark, TE 2-4229, Wayside Motel, Wilson, NC
 Minshew, Royal Harrison Jr., JR, ARC, 1408 Hillsboro, TE 2-2262, 1929 Brookdale, Asheboro, NC
 Minter, Frank Edridge Jr., SR, EPY, 3314 Hillsboro, TE 3-4808, 1004 W. Forest Hills Blvd., Durham, NC
 *Minton, Frederick Lawrence, SO, SED, 805 Florence, TE 4-7772, Fair Bluff, NC

*Mintz, Morris Daniel, Rt 7, Raleigh, NC
 *Minyard, Kelly, SO, IRR, 106 Ashe Ave., Raleigh, NC
 Mirman, Stephen Anthony, TE 3-8180, 2607 Wade Ave., Raleigh, NC
 Misenheimer, James Reid, SR, CHE, 2702 Hillsboro, 715 W. Graham, Shelby, NC
 Misenheimer, Larry Lee, SR, CE, 305 Fourth, Box 3131, TE 2-9157, Box 64, Rt 1, Richfield, NC
 *Mitchell, Bobby Glen, SR, EE, 3008 Ruffin, TE 2-3851, Rt 5, Goldsboro, NC
 Mitchell, Souglas Vincent, GR, WT, 1222 Filmore, TE 2-8074, Rt 2, Box 175-A, Bartlesville, Okla.
 Mitchell, Frank Herbert Jr., JR, ME, 343 Tucker, Box 4772, TE 2-9323, 4418 Halstead, Charlotte, NC
 Mitchell, Glenwood Jefferson, GR, AMA, 115-C Park Ave., TE 4-9503, 1153-21st St., Newport News, Va.
 Mitchell, James William, FR, EE, 325 Bagwell, Box 3391, TE 4-9151, Rt 3, Goldsboro, NC
 Mitchell, Riley Evan, JR, FMM, 3413 Hillsboro, TE 3-4808, 622 E. Tugalo, Toccoa, Ga.
 Mitchiner, David Murchison, SO, IA, EM 2-2832, Garner, NC
 Mize, William Randolph, SO, ARC, 202 Owen, Box 4459, TE 2-9252, 1005 Morning Glory Ave., Durham, NC
 Mizell, Edgar Larry, SO, PPT, 262 Owen, Box 4513, TE 2-9252, 818 Ave., Bogaluso, La.
 Mobley, John Edward, FR, TX, 264 Tucker, Box 4731, TE 2-9387, 1604 Asheboro, Greensboro, NC
 *Mochrie, Richard Douglas, GR, AI, 111 Polk Hall, Box 151, HO 7-4965, 116 Byrum St., Cary, NC
 Mock, Willis, FR, NE, 215 Tucker, Box 4686, TE 2-9387, 4304 Princeton Ave., Greensboro, NC
 Modlin, Clarence Thomas Jr., SR, MEA, 220 Turl., Box 4248, TE 2-9297, 206 Wilson, Laurinburg, NC
 Moffitt, James Donald, SO, IE, 324 Syme, Box 3588, TE 2-9222, Staley, NC
 Moffitt, James Shelton Jr., FR, CE, 210 Tucker, Box 4683, TE 2-9387, Ferndal, High Point, NC
 Mohan, Karoti, GR, ME, 309 Gold, Box 3233, TE 2-9263, Bazaar St., Nanjangud, Mysore, India
 Moncada, Francis Johann, SR, IF, 2004 Hillsboro, Box 10541, 673 40 St., Brooklyn, NY
 Monroe, William Reid, FR, CRE, 304 Bagwell, Box 3370, 128 Maupin Ave., Salisbury, NC
 *Montague, Bobby Lewis, SR, HAC, Rt 5, TE 2-6724, Raleigh, NC
 *Monteith, Larry K., SO, EE, 908 Marilyn Dr., TE 4-7270, Raleigh, NC
 Montgomery, Carl Eugene, FR, AG, Owen, Box 4538, TE 4-9300, Rt 1, Semora, NC
 Montgomery, John Witherspoon, JR, IE, 1620 Hillsboro, Box 5042, TE 2-9331, W. Broad, Statesville, NC
 Moody, Melvin L., SO, PPT, 109 Tucker, Box 4622, TE 2-9388, 7th, West Point, Va.
 Moody, Paul Stewart, SO, PPT, 207 Watauga, Box 3025, TE 2-9132, 328 Carter, Harriman, Tenn.
 *Moody, Robert Reece Jr., SR, EE, 992 Peace Terr., TE 4-5874, Rt 4, Charlotte, NC
 Moore, Alexander Ross, SO, FOR, 2315 Byrd, TE 2-3101, Raleigh, NC
 *Moore, Arnold Gray, JR, EE, 1508 Frank, TE 2-9110, Raleigh, NC
 Moore, Arthur Cotton, FR, AGE, Tucker, Box 4766, TE 2-9323, Rt 4, Ahoskie, NC
 Moore, Asa Leroy, FR, CE, 108 Gold, Box 3208, Rt 1, Jamesville, NC
 *Moore, Billy Rawls, SR, CE, 812 Wilmington Terr., Raleigh, NC
 *Moore, Bobby Lee, SR, CE, 2363 Bernard, TE 3-0815, Raleigh, NC
 Moore, Bryce Hood, JR, CHE, 120 Forest Rd., TE 2-1175, 205 Center, Spindale, NC
 *Moore, Carrill Gene, SR, EE, 407 Avery St., Raleigh, NC
 Moore, Charles Franklin II, JR, FOM, 125 Hawthorne, Box 8, Brevard, NC
 Moore, Collin Clyde, FR, FOR, 121 Tucker, TE 2-9388, Rt 3, Littleton, NC
 *Moore, Crawford Bowman, SO, CE, Rt 7, TE 3-8724, Rt 1, Franklin, NC
 Moore, David Pete, JR, AED, 118 Becton, Box 3718, TE 2-9256, Rt 4, Wilson, NC
 *Moore, David R., JR, EE, 969 Peace Terr., Rt 2, Madison, NC
 Moore, Douglas Knight, SO, ME, 204 Owen, Box 4461, TE 2-9410, Roseboro, NC
 Moore, Glenn Cansler, SR, AI, 2100 Hillsboro, TE 4-6094, Star Rt., Catawba, NC
 *Moore, Glenn H., JR, ME, 2811 1/2 O'Berry, TE 2-6244, 1612 W. 4th Ave., Gastonia, NC
 Moore, Harry David Jr., SO, NE, 233 Owen, Box 4488, TE 2-9410, 51 Glendale, Concord, NC
 Moore, Jack Douglas Jr., FR, DM, 310 Chamberlain, 304 Hazel St., Waynesville, NC
 Moore, James Godwin, SO, CE, 232 Bagwell, Box 3364, TE 2-9131, 1123 Tarboro, Rocky Mt., NC
 Moore, James Reid, SO, CE, 261 Owen, Box 4512, TE 2-9252, Star Rt., Catawba, NC
 Moore, James Robert III, FR, AG, 113 Becton, Box 3713, TE 2-9256, 1221 Oakwood Dr., Rocky Mt., NC
 Moore, Joseph Ralph, JR, GS, 520 E. Hargett, TE 2-9673, Raleigh, NC
 Moore, June Hazel, UN, AG, 830 Bryan, TE 2-8262, Raleigh, NC
 Moore, Kenneth Lanier, SO, ARC, 1408 Hillsboro, TE 2-2262, 239 E. Salisbury, Asheboro, NC
 Moore, Laird Chadwick, FR, CHE, 363 Owen, Box 4574, TE 4-9836, 115 61 St., Virginia Beach, Va.
 Moore, Lanny Ravarn, FR, HAC, 304 Tucker, Box 4737, TE 4-9739, 1104 Elwell Ave., Greensboro, NC
 Moore, Lawrence Carlton Jr., FR, EE, 232 Syme, Box 3564, TE 2-9150, 551 Londonberry Rd., Atlanta, Ga.
 Moore, Lindsey Adolph, SO, IRR, 253 Tucker, Box 4720, TE 2-9387, Rt 1, Maceles Field, NC
 Moore, Maurice Charles, SO, SE, 305 Berry, Box 4325, Fayetteville, NC
 Moore, Ormand Kelly, SR, TX, 8 Syme, Box 3604, TE 2-9421, Rt 2, Greensboro, NC
 Moore, Paul Merrill, SO, ME, 7 Enterprise St., TE 4-8435, Box 505, Southport, NC
 *Moore, Reuben Russell, FR, EE, Owen, Box 4501, TE 2-9252, Rt 3, Roxboro, NC
 *Moore, Robert Bartow, SO, DM, 4700 Hillsboro, TE 2-9763, Rt 2, Summerfield, NC
 Moore, Robert Carl, SO, EE, 337 Tucker, Box 4767, TE 4-9339, Box 429, Drexel, NC
 Moore, Ronald Baxter, SR, TX, 324 Owen, Box 4539, TE 2-9464, Rt 2, Franklinton, NC
 Moore, Sidney Clyburn Jr., SO, CE, 105 Turl., Box 4204, Durham, NC
 Moore, Stuart Beckwith, SR, IA, 2226 Hillsboro, TE 3-1140, Washington, NC
 Moore, Thomas Mitchell, FR, NE, 118 Alex., Box 4115, TE 2-9257, 700 Packard Ave., Kannapolis, NC
 *Moore, Thomas Monroe, SR, CE, 11-C Vetylle, TE 4-6642, Raleigh, NC
 Moore, William Davis, SO, EE, 258 Owen, Box 4509, TE 2-9410, Box 373, Hillsboro, NC
 Moore, William Marion, FR, E, 719 Chamberlain, 195 Sterling Rd., Charlotte, NC
 Moore, William Nathan, SO, IE, 7 Enterprise St., TE 4-0435, 231 E. Broad, Statesville, NC
 *Moore, William Oliver, SR, ARC, 310 1/2 Chamberlain, TE 4-7107, Cleveland, NC
 Mooring, Luby Edward, FR, ME, 117 Becton, Box 3717, TE 2-9256, 306 Paschall Ave., Stantonsburg, NC
 Moos, Harvey Carroll, FR, ME, 1515 Dixie Trail, Raleigh, NC
 Moras, William Murle III, 425 Colleton Rd., TE 2-3356, Raleigh, NC
 Moreadith, Frederick Lane, 3013 Wade Ave., TE 3-6252, Raleigh, NC
 Morena, Thomas Christopher, SO, EE, 109 Bagwell, Box 3309, TE 4-9219, 3021 Marlborough Rd. E., Charlotte, NC
 *Morgan, Jesse Wade Jr., 305 Brooks, Box 5563, 116 S. Marshall, Winston-Salem, NC
 Morgan, John Ross Jr., GR, NE, 631-C Daniels, TE 3-0231, Rt 3, Harlingen, Texas

Morgan, Marion Vernon, SR, BO, 208 Taylor, 1712 Garden Terr., Charlotte, NC
 *Morgan, Ora Billy Jr., GR, EPY, UK-32 Vetville, TE 3-4073, Rt 4, Kershaw, SC
 Morgan, Otis Cleveland, JR, FOM, 256 Owen, Box 4507, TE 2-9252, Candler, NC
 Morgan, Ray Edward, JR, ME, 2514 Clark Ave., TE 4-2451, 125 Howland Rd., Asheville, NC
 *Morgan, Raymond William, SO, CE, 214 Becton, Box 3749, TE 2-9334, 1019 Highland Ave., Salisbury, NC
 Morgan, Samuel Dean, SR, IA, 115 Woodburn Rd., TE 2-2933, 49 Palliam St., Marion, NC
 Morgan, Tom Adam, JR, AED, Turl., Box 4285, TE 2-9297, Rt 1, Oakboro, NC
 *Morog, Joseph Valentine, JR, ARC, 911 Deboy, Raleigh, NC
 Morris, Clair Edward Jr., SR, AGC, 2718 Clark, TE 3-4545, Rt 2, Columbia, NC
 *Morris, Jerry Matheson, JR, PSC, 3821 Western Blvd., Rt 2, Laurinburg, NC
 *Morris, John Thomas, FR, FMM, 209 Berry, Box 4316, TE 2-9363, 600 Stuart Dr., Galax, Va.
 *Morris, Melion Kenneth, JR, IE, 1508 Frank, Raleigh, NC
 Morris, Miriam Leake, 124 E. Park Dr., Raleigh, 67 Louise Ave., Concord, NC
 Morris, Philip Allen, FR, ME, Owen, Box 4533, TE 4-9836, Atlantic, NC
 Morris, Shelby Jackson Jr., FR, MEA, 249 Tucker, Box 4716
 Morris, Walter Wiley III, FR, EE, 26 Becton, Box 3728, TE 2-9261, 615 Burch Ave., Durham, NC
 Morris, Wayne Bryant, SO, CHE, 135 Tucker, Box 4645, TE 2-9367, Rt 2, Apex, NC
 Morrison, Charles Glenn, FR, FOR, 150 Syme, Box 3530, Statesville, NC
 Morrison, James O'Dell, FR, CE, 201 Becton, Box 3735, TE 2-9334, Box 314, Southern Pines, NC
 Morrison, Malsom Brown, SO, EE, 363 Tucker, Box 4790, TE 2-9312, Box 164, Rowland, NC
 Morrison, William Ogburn Jr., SO, TX, 2514 Clark, TE 3-4522, Burlington, NC
 Morrow, James William Jr., JR, EE, 3414 Hillsboro, TE 3-4808, 605 S. Lindell Rd., Greensboro, NC
 Morrow, Robert Allen, JR, EM, 303 Syme, Box 3562, TE 2-9222, 500 S. Hayne, Monroe, NC
 Morrow, Victor Eugene, JR, MEA, Becton, Box 3801, TE 2-9372, Rt 4, Burnsville, NC
 Morton, Dorothy Jean, 2710 Everett Ave., TE 2-8484, Raleigh, NC
 Morton, James King Jr., 3107 Hillsboro, 113 Grove Circle, Knoxville, Tenn.
 Morton, James Riley, SO, IE, 204 Tucker, Box 4677, TE 2-9387, Rt 3, Albemarle, NC
 Morton, Terrence Dewitt, SO, ME, 251 Tucker, Box 4718, TE 2-9387, RFD, Morven, NC
 Moser, Glenn Philip, GR, CHE, 201 Alumni, TE 2-9322, Box 162, Lewisville, NC
 *Moser, Guy Maxwell Jr., SR, EE, 613 Oak Rd., TE 3-8004, Raleigh, NC
 Moser, James Norman, SO, TX, 323 Owen, Box 9534, Rt 1, Rockwell, NC
 Moser, James Robert, SO, CE, Tucker, Box 4793, TE 2-9323, 2706 Randleman Rd., Greensboro, NC
 *Mosley, Bobby Earl, SO, IRR, 710 W. Jones St., Raleigh, NC
 Moss, Dan Schuyler, SR, FC, 2713 Vanderbilt Ave., TE 3-4916, Rt 2, Enfield, NC
 Moss, Don Luther, SO, CE, 2512 Clark, TE 2-4843, Hickory, NC
 Moss, James David, SR, IE, 132 Owen, Box 4427, TE 2-9115, 105 N. Liberty St., Gastonia, NC
 *Moss, Marvin K., GR, EPY, Physics Dept., Rt 7, Raleigh, NC
 *Moss, R. V., SR, CE, 812 Brighton Rd., TE 3-5052, Raleigh, NC
 Motley, John Melvin, SO, MEA, 312 Bagwell, Box 3378, TE 4-9151, 1104 W. Webb Ave., Burlington, NC
 *Motsinger, James Monroe, ME, Rt 3, TE 4-0570, Raleigh, NC
 Mott, Robert James, FR, IE, 347 Tucker, Box 4774, TE 2-9343, 315 Quaker Rd., Sewickley, Pa.
 Moutmen, Dhiya A. A., 237 Alex., Box 4163, 122 Park Ave., Raleigh, NC
 *Mowery, Alfred Leroy, SO, EPY, 2612 Glenwood Ave., TE 4-4518, Raleigh, NC
 *Moxley, William Dell Jr., SR, CHE, 3014 Mayview Rd., TE 2-2057, Raleigh, NC
 Moyle, Hal Eugene, SO, EE, 323 Bagwell, Box 3389, Concord, NC
 Mozingo, Roger Lee, FR, AG, 119 Becton, Box 3719, TE 2-9256, Rt 1, Snow Hill, NC
 Mozingo, Wilbur Earl Jr., SO, ME, 22 Syme, Box 3618, Kinston, NC
 Mozingo, Wilbur Earl Jr., SO, ME, 208 Syme, Box 3540, TE 2-9150, 401 Greenmead Dr., Kinston, NC
 Mudge, Harley, 1909 Alexander Rd., TE 2-1230, Raleigh, NC
 *Mulkey, Marcus Allen, SR, PPT, 2706 Peachtree, TE 3-1781, Raleigh, NC
 Mull, William Herman, SO, CE, 215 Watauga, Box 3033, TE 2-9132, 10 Lenox Ct., Asheville, NC
 Mullen, Stephen Thomas, SR, EE, 139 Alex., Box 4131, TE 2-9257, Rt 4, Box 512, New Bern, NC
 Mullis, Elbert Stanley, SO, CHE, 327 Tucker, Box 4758, TE 2-9323, Box 503, Haw River, NC
 Mullis, Harry Mullis, FR, NE, 228 Syme, Box 3560, TE 2-9150
 Muluane, James Norbert, SR, IE, Apt 5, 5 Dixie Tr., 97 Louisiana, Asheville, NC
 Mumford, Nancy Elizabeth, JR, EM, 712 Brooks Ave., TE 2-5315, Raleigh, NC
 *Munday, Jerry Thomas, JR, CHE, 2726 1/2 Clark Ave., 615 Cox St., Asheville, NC
 Murdaugh, William H., SO, NE, 22 Becton, Box 3823, TE 2-9256, Sunny Point Army Terminal, Southport, NC
 *Murdoch, Andrew Wiley, JR, EE, 1106 Parker, TE 4-5994, Raleigh, NC
 Murphy, Andrea Mary, 2309 Lyon St., Raleigh, NC
 Murphy, Charles Louis, FR, ME, Bagwell, Box 3305, TE 4-9219, Church, Zebulon, NC
 Murphy, James David, SO, HAC, 263 Tucker, Box 4730, TE 2-9384, Box 931, Leaksville, NC
 Murphy, Joe Ervin, SR, IATO, 216 Alex., Box 4145, TE 4-9746, Rt 5, Mocksville, NC
 Murphy, John Williams, GR, PG, 406 Iola Rd., St. Matthews, Ky.
 Murphy, Wendell Holmes, SO, AG, 104 Becton, Box 3704, TE 2-9256, Rt 3, Rose Hill, NC
 Marr, George Frank Jr., SO, ARC, 107 Syme, Box 3507, TE 2-9288, 215 Spring St., Thomasville, NC
 Murray, Maurice Talmadge, JR, EE, 104 S. Dawson, TE 2-7744, Rt 4, Asheville, NC
 Murray, Merritt Leslie, FR, IA, 530 N. Blount, TE 2-4897, 520 Arlington, Greensboro, NC
 Mussack, Nicholas F., SR, CE, 101 Berry, Box 4301, TE 2-9350, Rt 1, Halifax, NC
 Mutton, James Orval, SO, EE, 355 Tucker, Box 4782, TE 2-9323, 21 Canterbury Rd., Asheville, NC
 *Myatt, Billy, SR, IRR, 704 Boylan Dr., TE 2-1973, Willow Springs, NC
 Myers, Donald Ray, SO, EPY, 404 W. Aycock, TE 4-4219, Raleigh, NC
 Myers, Guy Arnold Jr., SR, ME, 117 Syme, Box 3517, TE 2-4288, 2546 Reynolda Rd., Winston-Salem, NC
 Myers, Paul Tilton, SR, IRR, 219 Alex., Box 4148, TE 4-9746, Box 106, Hoffman, NC
 Myers, Robert Hill, SO, NE, 130 Hawthorne Rd., TE 4-7325, 530 Park Ave., Piqua, Ohio
 *Myhre, John Franklin, JR, LA, 1004 1/2 Glenwood Ave., TE 5-5669, 158 Linwood, Milwaukee, Wis.
 Nance, Charles Mitchell, SR, TX, 103 Gold, Box 3203, TE 2-9263, 742 Park Ave., Greensboro, NC
 *Nance, Robert Lloyd, SR, TX, TE 2-1457, 1305 Duplin Rd., Raleigh, NC
 *Nanney, Joseph Hugh, SR, IA, Box 5174, State College Station, TE 3-8545, 1038 Justice, Hendersonville, NC

Narron, Artis Medlin, SR, MED, 105 Fourth, Raleigh, Rt 2, Kenly, NC
 Narron, Billy Franklin, SO, CE, 2616 Garner Rd., TE 4-4130, 2616 Garner Rd., Raleigh, NC
 Narron, Tommy Alfonso, SR, AED, 201 Fourth, Box 3119, TE 2-9159, Rt 2, Kenly, NC
 Nash, Averetto Floyd, SR, EMM, 19 Stadium, Raleigh, St. Pauls, NC
 Nash, John Lee, SO, NE, 210 Berry, Box 4317, TE 2-9363, 316 Heilig, Salisbury, NC
 Nassar, Mohamed Rida, FR, EE&EMA, 213 Alumni, Box 5362, Raleigh, Aleppo, Syria
 Nathan, Joseph, SR, FMM, 315 Syme, Box 3579, TE 2-9222, 1231 Sage St., Far Rockaway 91, NY
 Neal, Cecil Leon Jr., SO, MEA, 320 Tucker, Box 4751, TE 4-9739, Box 85, Caroleen, NC
 Neal, James Lewis, SO, CE, 7 Enterprise St., TE 4-0435, Providence, NC
 Neal, Peyton Ring Jr., FR, DN, 116 Becton, Box 3716, TE 2-9256, 227 E. Avondale, Greensboro, NC
 *Neal, Robert Smith, 453 Grissom St., Raleigh, 3914 Market St., Wilmington, NC
 *Neal, William Everett, SR, WCM, 3151 Stanhope Ave., Raleigh, Rt 2, Stokesdale, NC
 Neckham, William Alan, SR, CEC, 215 Hillcrest Rd., TE 3-2789, New York, NY
 *Needham, Royal Roger, SR, AED, 2724 Barmettler St., Raleigh, NC, TE 2-4171
 Neely, Harry L., 308 Horne St., TE 2705, 2121 Sarah Marks, Charlotte 3, NC
 Neely, Robert Mason, JR, TX, 2612 Clark, TE 2-9484, Rutherfordton, NC
 Neese, John Carroll, SO, ME, 113 Turl., Box 4210, TE 4-9279, 205 Howewood Ave., Greensboro, NC
 Neighbors, Joseph Donwell, SO, NE, 106 Bagwell, Box 3306, TE 4-9219, Rt 1, Benson, NC
 *Neiman, Ernest, GR, GS, 1617 Glenwood Ave., Raleigh, NC
 Nelson, Arnold Eben, SO, IA, 318 Bagwell, Box 3384, TE 4-9151, Rt 1, Charlevoix, Pa.
 *Nelson, David Robert, FR, TC, Owen, Box 4546, TE 4-9300, Box 61, Andrews, NC
 Nelson, Ralph Melvin Jr., SO, FOR, 2603 Vanderbilt Ave., TE 3-7385, 3 Waverly Rd., Asheville, NC
 *Nelson, Raymond Douglas, SR, WCM, 400 Kinsey St., TE 2-6086, Rt 5, New Bern, NC
 Nelson, Robert Bruce, FR, FOR, 2603 Vanderbilt Ave., TE 3-7385, 3 Waverly Rd., Asheville, NC
 Nelson, Samuel Leo, FR, EE, 202 Watauga, Box 3020, TE 2-9132, Greensboro, NC
 Nemmeis, Peter J., JR, IA-TO, 103 Chamberlain St., TE 3-6901, 510 Harding St., Raleigh, NC
 *Nester, William Carlton, SO, NE, 329 Bagwell, Box 3395, TE 4-9151, Gladys, Va.
 Nethercutt, Robert Lynn, FR, AG, 119 Becton, Box 3719, TE 2-9256, Rt 1, Snow Hill, NC
 Nethery, Robert Lee Jr., SO, TX, 225 Becton, Box 3759, TE 2-9334, 1428 Deer Court, Henderson, NC
 *Neunzig, Carolyn Miller, UN, TE 4-2646, 2323 McMullon Cir., Raleigh, NC
 Neville, Atlas Gordon, FR, DM, 60 Owen, Box 4594, TE 2-9142, Rt 1, Chapel Hill, NC
 Newby, John Roger, JR, AGC, 1218 Glenwood Ave., TE 2-8898, Rt 2, Lexington, NC
 Newcomb, William Jefferson, FR, ME, 314 Bagwell, Box 3380, TE 4-9151, Stanley, NC
 Newell, John Richard, SR, CHE, 113 Syme, Box 3513, TE 2-9288, 102 Maple St., Greenville, NC
 *Newkirk, Hayward Homan, SR, ARC, 2213 Brewer, TE 4-4755, 2213 Brewer, Raleigh, NC
 Newlin, John Henry Jr., JR, ME, 2514 Clark, Box 5665, TE 4-2451, 251 Grove Park Ci., Danville, Va.
 Newman, James Livingston, JR, CHE, 719 Devereux St., TE 2-1988 Pine, St., Leaksville, NC
 Newman, Rudolph Mitchell, SO, FE, 5 Syme, Box 3601, TE 2-9412, Rt 1, Henderson, NC
 *Newton, Ernest Elvin, SO, IA, 18-D Vetville, Raleigh, Rt 1, Box 303, Watha, NC
 *Nichols, Lanny Glenn, SR, EF, 18-H Vetville, TE 2-9290, 17 Julian Ave., Thomasville, NC
 *Nichols, William Colvin, VA 8-2289, 1213 Kent Rd., Raleigh, NC
 Nicholson, Harold Lee, JR, EE, 216 Syme, Box 3548, 1203 Summit Ave., Greensboro, NC
 Nicholson, Joseph Cannon, FR, EE, Becton, Box 3814, TE 2-9261, Rt 5, Lumberton, NC
 Nidercorn, Paul Edward, SR, NE, 302 Alex., Box 4168, TE 2-9349, 174 Forest Ave., Peal River, NY
 *Nielsen, August John, GR, PP, OX 2-1814, Hendersonville, Box 21, Edneyville, NC
 Niewierowski, Stan Michael, TX, Alex., Box 4106, TE 2-9257, 102 Bedford Ave., Brooklyn, NY
 Nifong, Charles Michael, FR, CHE, 226 Tucker, Box 4697, TE 2-9387, 1109 Watson Ave., Winston-Salem, NC
 Nifong, Wayne Eugene, JR, AI, Hillsboro, Box 4700, TE 2-9763, Rt 4, Winston-Salem, NC
 Nishioka, Frank Koji, JR, ARC, 6111 1/2 S. Boylan Ave., Raleigh, 1451 E. 50th St., Chicago 15, Ill.
 *Niven, B. Frank Jr., SR, ME, 2709 Mayview Rd., TE 4-7845, 2709 Mayview Rd., Raleigh, NC
 *Niven, Vernon Dougal, 3 Fairway Rd., TE 4-6695, 908 Montford Dr., Charlotte, NC
 *Nivison, Arthur Edward, JR, CEC, 2624 Bedford Ave., Raleigh, NC, TE 4-9057
 Nix, John Wesley, JR, TC, Turl., Box 4201, TE 4-9279, Rt 2, Rutherfordton, NC
 Nix, Harvey Clyde, SO, NE, 332 Syme, Box 3596, TE 2-9222, 284 State St., Asheville, NC
 Nixon, Charles Ossie Jr., JR, TX, 2426 Hillsboro, TE 4-2001, Brooklyn, Cramerton, NC
 Nixon, John Franklin, FR, TX, 61 Owen, Box 4595, TE 2-9142, 535-B Brooklyn, Cramerton, NC
 Noble, Chappell Nesbitt, SO, CEC, 306 Becton, Box 3774, Box 68, Fairview, NC
 *Noble, Walter Barnes Jr., SR, IA, 980 Peace Terr., Raleigh, NC
 *Noe, Samuel V. Jr., SR, ARC, 432 Wayne Dr., TE 3-3065, 414 Club Lane, Louisville, Ky.
 Nohl, Peter Friedrich, JR, TX, 339 Turl., Box 4298, TE 9192, 710 Country Club Dr., Greensboro, NC
 Nolen, Frank William, FR, EE, Owen, Box 4416, TE 2-9437, Rt 1, Franklin, NC
 Nordan, Alfred Wilmer, SO, MEA, 333 Bagwell, Box 3399, TE 4-915, 207 Sycamore St., Weldon, NC
 *Nordan, Jackie Panton, Rt 1, Benson, NC
 Norman, Henry Carson, SO, CE, 513 Clark, TE 2-0268, Box 452, Robersonville, NC
 Norris, Charles Rexford, SR, CE, 316 Bagwell, Box 3382, TE 4-9151, Rt 2, Wallace, NC
 Northcutt, Lee Irvin, JR, CE, 16 Enterprise, Apt. 2, TE 4-7904, 116 Halifax St., Raleigh, NC
 *Northington, James Atwood, SO, CE, 927 Wilmington Terr., Halifax Ct., Raleigh, Maxton, NC
 Norton, Charlie R., GR, PP, 109 Watauga, Box 3009, TE 2-9447, Box 514, Highlands, NC
 Norton, Everett Livingston Jr., FR, REC, 809 Woodburn Rd., TE 3-5509, 809 Woodburn Rd., Raleigh, NC
 Norton, Jerry Lee, SO, EE, 233 Bagwell, Box 3365, TE 2-9131, 211 Ann St., Wilmington, NC
 Norville, John Albert, SR, IF, 120 Woodburn Rd., TE 2-3701, 263 Maple St., Brevard, NC
 *Norwood, Hart Lanneau, SR, ARC, 220-C Cox Ave., Raleigh, NC, VA 8-2206
 *Novak, Philip Edward, GR, NE, 2550 Glenwood Ave., Apt. Y, TE 2-5587, 3345 N. Rutherford Ave.,
 Chicago 34, Ill.
 *Nuckolls, Edward Wayne, SR, IE&EPY, 35-B Vetville, TE 4-2038, Rt 5, Hendersonville, NC
 *Nuckolls, Joe Allen, 11-D Vetville, Rt 5, Hendersonville, NC
 *Nunez, Manuel A., TE 2-9561, 3046 Farrior Rd., Raleigh, NC
 Nye, Joseph Daniel, FR, IRR, 218 Alex., Box 4147, Box 578, Elizabethtown, NC
 Nye, Kenneth Eugene, SO, IRR, 218 Alex., Box 4147, TE 4-9746, Box 578, Elizabethtown, NC
 Nye, Thomas Avery Jr., 335 Owen, Box 4549, TE 4-9836, Rt 1, Orrum, NC

Oakley, John Kenneth, FR, ARC, 3-8952, 1603 Robinhood Rd., Durham, NC
 Oaks, James Lee, JR, IA, 317 Turl., Box 4279, Raleigh, 1401 Wade St., Aliquippa, Pa.

Oates, Norwood Keith, JR, HAC, 208 Becton, Box 3742, TE 2-9334, Rt 1, Albertain, NC
Oberhofer, Edward Samuel, FR, NE, 254 Becton, Box 4721, TE 2-9387, 495 Petree Rd., Winston-Salem, NC
O'Briant, Edwin Lee, FR, AG, Becton, Box 3750, TE 2-9334, Rt 2, Whitakers, NC
O'Brien, Bill Lee, FR, ARC, Becton, Box 204, TE 2-9334, 3103 Madison Ave., Greensboro, NC
O'Brien, George Francis, SO, CE, 2512 Clark, TE 2-9484, 5111 Baker Dr., Charlotte, NC
O'Bryant, Thomas Wiley, FR, EE, Welch, Box 3271, TE 2-9919, Rt 2, Reidsville, NC
O'Connell, James Lee, SO, FMM, YMCA, Box 5276, TE 2-7184, 426 Courtland Dr., Sanford, NC
O'Connell, Larry Stedman, SO, TX, 3601 Syme, Box 3601, TE 2-9421, Watson Ave., Sanford, NC
Odds, James Joseph, JR, IRR, 59 Owen, Box 4593, TE 2-9115, 205 N. Monroe, Wilmington, Del.
*Odom, James Abbott, 807-C Daniels St., Raleigh, NC, TE 4-5782
*O'Dowd, Richard Clyde, FR, CEC, 227 Griffin, Cary, NC, HO 7-9478, 902 Fairfield, Kinston, NC
Odum, Robert Tracy, SR, IE, 1906 $\frac{1}{2}$ Hillsboro, TE 4-6165, 436 Sunglow Ct., Orlando, Fla.
Oertel, Eric Spencer, SO, ME, 354 Tucker, Box 4781, TE 2-9323, Hq USAFE, DCS/INSTLS, APO 633, New York, NY
Oertel, Fritz Hermann Jr., SO, ME, 354 Tucker, Box 4781, TE 2-9323, Hq. USAFE, DCS/INSTLS, APO 633, New York, NY
Oggenno, James Peter, SO, NE, 130 Hawthorne Rd., TE 4-7325, 31 Minetta Ct., Huntington L.I., NY
O'Hanlon, William Hawley, FR, CE, 320 Alex., Box 4183, Raleigh, Fayetteville, NC
O'Hara, George Richard, SO, PPT, 1620 Hillsboro, TE 2-9531, Rt 4, Box 276, Georgetown, SC
O'Kelley, Dewey Thomas, JR, EE, 216 Hillcrest Rd., TE 3-4993, 500 Wilson, Spring Lake, NC
Olive, Ronald Lee, FR, NE, 367 Owen, Box 4577, Raleigh, Lumberton, NC
Olive, Ross McNeill, FR, CE, Owen, Box 4432, Rt 1, Fuquay Springs, NC
*Oliver, John Hall, SR, IE, 207 Poplar St., Raleigh, TE 3-7932
Oliver, Johnny Doan, FR, EE, 107 E. Whitaker St., Raleigh, Box 652, Havelock, NC
*Oliver, Maurice Harwood, SR, AED, 807 Gardner, Raleigh, Creswell, NC
*Olsen, Harold August, JR, IRR, 1401 Southerlund Rd., Rt 2, Raleigh, TE 3-5831, Box 993, Wilmington, NC
Olson, Robert Linwood, SO, NE, 127 Tucker, Box 4638, TE 2-9367, 2228 Winter St., Charlotte, NC
O'Neal, James Murray, SO, CE, 2426 Hillsboro, Raleigh, 205 E. 4th St., Weldon, NC
*O'Neal, Robin Turner, JR, IRR, 708 Virginia Ave., TE 2-7101
O'Quinn, Charles Neill, SR, WPM, 127 W. Park Dr., TE 3-6671, Lumberton, NC
O'Quinn, George Donald, FR, AED, 135 Alex., Box 4128, TE 2-9257, Manners, NC
O'Quinn, William Lewis, SO, ME, 127 W. Park Dr., TE 3-6671, 1705 Floyd, Lumberton, NC
Ordoveza, Antonio L., GR, AI, 3011 $\frac{1}{2}$ Hillsboro, Raleigh, 825 Lepanto, Manila, Philippines
Ormsby, Ted Richard, FR, EE, 311 Syme, Box 3575, TE 2-9222, 205 W. Church St., Laurinburg, NC
Orr, Charles Edmond III, Rt 7, Raleigh, TE 3-3434
Orr, Don Leslie, FR, NE, 309 Bagwell, Box 3375, TE 4-9151, 530 Bracken St., Sanford, NC
Orth, Edward Joseph Jr., GR, EE, 3418 Churchill Rd., TE 4-7462, 1017 Montclair Rd., Birmingham 9, Ala.
*Osborne, Donald ay Burne, FR, ME, Rt 5, Box 97A, Raleigh, NC, VA 8-2247
Osborne, Harry Albert Jr., SR, NE, 308 Horne St., TE 2-7050, 315 Lexington Rd., Mocksville, NC
Osborne, Wiley Jackson, FR, CE, Becton, Box 3824, TE 2-9261, Rt 3, Laurel Springs, NC
Oteifa, Hassan A. N., GR, TXM, State Coll. Sta., Box 5724, TE 2-1501, Avents Ferry Rd., Raleigh, NC
Ott, Richard, SR, EE, 126 Becton, Box 3726, TE 2-9256, Rt 1, Box 70-Q, Guilford College, NC
Ouda, Robert Scott, JR, AN. Hus., Rt 1, Cary, NC, HO 7-2573, 318 N. Thomas St., Arlington, Va.
Overbridge, Stephen Wilson, FR, 309 Syme, Box 3573, TE 2-9222, 820 Flora St., Elizabeth City, NC
Overby, James Allen, FR, IRR, 126 Tucker, TE 2-9388, Norlina, NC
Overcash, Arbon Wayne, SO, MAC, 231 Turl., Box 4259, TE 2-9297, Rt 3, Salisbury, NC
*Overcash, James Clyde Jr., SR, IA, 101 Hudson St., Raleigh, NC, TE 4-0219
Overman, Allen Ray, JR, AGE, 121 Bagwell, Box 3321, Raleigh, NC, Rt 2, Pikeville, NC
Overman, Elliott Goodwin, UN, AG, Box 5731, State Coll. Sta., TE 4-0416, 1117 Rivershore Rd., Elizabeth City, NC
*Overton, Walter Scott, GR, EST, 2612 Kilgore St., Box 5457, State Coll. Sta., Mizel Rd., Leesburg, Fla.
Overton, Frank Hudson, SR, ME, Pi Kappa Alpha House, Raleigh, 425 W. Fisher St., Salisbury, NC
Overton, John Crayton Jr., FR, CE, 350 Owen, Box 4561, TE 4-9836, Country Club Dr., Rocky Mount, NC
Overron, Lemuel Hill Jr., JR, IA, 719 Chamberlain St., TE 2-4773, Matthews, NC
Overton, Robert Edward, SR, AED, 2100 Hillsboro, TE 4-6094, Rt 2, Apex, NC
*Overton, Roy Lee, FR, TX, 12 E. Dixie Dr., TE 4-6902, Rt 4, Louisburg, NC
Owen, Austin Andrew, JR, CE, 128 Bagwell, Box 3328, TE 2-9412, Box 224, Elizabethtown, NC
Owen, Clarence Manly Jr., FR, EE, Tucker, Box 4796, 253 5th St., SE, Hickory, NC
Owen, Gordon Norman, SO, CE, 2713 Vanderbilt Ave., TE 3-4916, Lago Colony, Aruba, Neth. W. Indies
*Owens, Carl Elwyn Jr., SR, AGE, 610 Holden St., VA 8-2582, Rt 1, Fletcher, NC
Owens, Edwin Gip, JR, FOR, 115 Owen, Box 4410, TE 2-9115, Rt 2, Cleveland, NC
Owens, Johnny Wayne, FR, EE, 217 Alex., Box 4146, TE 4-9746, 4120 Tise Ave., Winston-Salem, NC
*Owens, Milo Ervin, JR, ME, 2813 Hillsboro, Raleigh, 403 College St., Kinston, NC
Owens, Philip Herman, FR, AED, 2210 Hope St., Raleigh, Rt 1, Fletcher, NC
Owens, Ted Alfred, FR, FOR, 207 Watauga, Box 3025, TE 2-9132, Rt 3, Harriman, Tenn.
Oxford, John Allen, FR, ME, 232 Becton, Box 3766, TE 2-9334, Rt 1, Hudson, NC
Oxley, James Edward, FR, CHE, 1113 E. Morgan St., Raleigh, NC

Pace, Carl C., SO, EE, 230 Owens, Box 4485, P.O. Box 464, Tryon, NC
*Pace, Doran Royal, JR, SR, CEC, 1508 Frank St., Te2-5110, Raleigh, 313 W. Liberty, Sumter, SC
Pace, Edgar Alan, SR, HAC, 18 $\frac{1}{2}$ Horne St., Box 5373, Te4-7470, Box 739, Hendersonville, NC
Pace, John James, Jr., SO, AG, 1710 Hillsboro, Pace St., Franklin, Va.
*Pace, Virgeon Alvin, JR, JR, EE, 808 Hartford Rd., Te4-2129, Raleigh, NC
*Pace, William Thomas, GRAD, IPS, 2805 Bedford Ave., Te2-2706, 206 4th Ave., Franklin, Va.
Paddon, Harry Guy, III, FR, EE, 337 Owen, Box 4551, Te4-9836, 512 Leighton Ave., Silver Spring, Md.
*Padgett, John Fay, SR, CE, Ant. 20-C Vetteville, Te3-4587, Raleigh, NC
Padgett, Kenneth Ray, JR, 5 Becton, Box 3807, Te2-9261, Box 733 Jacksonville, NC
Padgett, Roger Clement, SO, IE, 214 Owen, Box 4469, Te2-9410, W. Border, Spindale, NC
Padunchewit, Paul I., GRAD, EE, 109 Oberlin Rd., Te4-1547, 88 Kanlaya Thonburi, Thailand
Page, Harry Durwood, FR, AED, 43 Tucker, Box 4795, Te2-9186, Rt 1, Box 175, Wallace, NC
Page, Harry Lee, SR, PSC, 2718 Clark Ave., Te2-6451, Rt. 1, Brown Summit, NC

Page, William W., SO, ME, 228 Alex., Box 4157, Te4-9746, Box 306, Henderson, NC
 Palandrani, Francis Joseph, SO, TX, 59 Owen, Box 4533, Te2-9115, 1320 W. 5th., Wilmington, Del.
 *Pallis, Francisco O., UNC, 3011½ Hillsboro, Los Banos, Laguna, Philippines
 *Palmour, Hayne, III, GRAD, CRE, 3046 Lewis Farm Rd., Te3-8439, Raleigh, NC
 Pamplin, Charles Ashby, FR, NE, 228 Syme, Box 3560, Raleigh, Reidsville, NC
 *Pangle, Ernest William, JR, IRR, 113 Ashe Ave., Te2-6129, Raleigh, Rosman, NC
 Paris, Neal Lawrence, SR, ARC, 915 Gardner St., Te2-8267, Raleigh, NC
 Paris, William Melvin, Jr., SO, MEA, 114 Bagwell, Box 3314, 326 N. Marshall, Graham, NC
 Park, James Ray, SR, ME, 7 Becton, Box 3809, Te2-9261, Rt. 3, Box 444, Salisbury, NC
 Park, Keith C., GRAD, AGC, 2110 Tuder Pl., Te4-4725, 7-167 Sajik, Seoul, Korea
 Parker, Richard Boyden, JR, NE, 3120 Darien Dr., Te2-3589, Raleigh, NC
 Parker, Carl Duncan, SR, EE, 2702 Hillsboro St., Raleigh, Cordova, NC
 *Parker, Carl Eion, SR, EPC-EM, 1006 Gorman St., Te4-0469, Raleigh, NC
 Parker, Charles Leonard, SR, SOI, Box 156, Varina, NC
 Parker, David Lee, SO, ME, 160 Owen, Box 4451, Te2-9115, 538 East Polo Rd., Winston-Salem, NC
 Parker, Gerald Heath, SR, NE, 2512 Clark Ave., Te2-4843, Rt. 1, Box 75, Salisbury, NC
 *Parker, Grady Leon, SR, EE, 2712 Bedford Ave., Te3-5209, Raleigh, NC
 *Parker, James Harold, GRAD, UN, 118 Ricks Hall, Raleigh, 216½ Benson Rd., Garner, NC
 *Parker, Jefferson Leroy, SR, IA, 35 Bagwell Ave., Raleigh, Box 5, Four Oaks, NC
 Parker, John Alvin, SO, CE, 610 Willard Pl., Te2-2155, Raleigh, NC
 Parker, John Hilton, FR, AG, 5 Becton, Box 3807, Te2-9261, Rt. 1, Box 35, Hollister, NC
 Parker, John Merrel, Jr., JR, MEA, 219 Forest Rd., Raleigh, NC
 *Parker, John Wilmer, Jr., JR, AI, 700 S. Kimbraugh St., Te3-5591, Raleigh, Lasker, NC
 Parker, Julius Douglas, SO, CE, 55 Owens, Te9142, Rt. 1, Box 8A, Greenville, NC
 *Parker, Loyd C., SR, EE, 2719 Kilgore Ave., Te4-8823, Raleigh, NC
 Parker, Norman Terrell, Jr., FR, EE, 214 Turl., Box 4242, Te2-9297, Box 284, Pinetops, NC
 Parker, Ralph Jerome, Jr., SR, HAC, 308 Horne St., Te2-7050, 307 Houghton St., Williamston, NC
 Parker, Robert Carraway, FR, NE, 322 Owen, Box 4537, Te4-9300, 4417 Cornell Ave., Greensboro, NC
 *Parker, Wallace O'Neil, JR, AED, 19C Vetville, Va8-2037, Hubert, NC
 *Parker, Warren Trower, JR, WCM, Rt. 6, Box 78, Raleigh, NC
 Parks, George Wilson, Jr., FR, E, Becton, Box 3788, Te2-9372, Box 603, Red Springs, NC
 Parks, Ronald Worth, FR, E, 309 Berry, Box 4329, Te2-9363, Rt. 1, McLeansville, NC
 Parlier, James Edward, SR, FMM, 7 Enterprise St., Rt. 1, Lenoir, NC
 Parnell, James Franklin, JR, WCM, 5109 Melbourne Rd., Te4-9024, Smith St., Timmonsville, SC
 *Paroli, Robert, 1102 Southerland Rd., Raleigh, NC
 *Parra, Jaiue Eurique, JR, AG, 4700 Hillsboro St., Te2-9763, Calle 45, 21-11 Bogota, Columbia, S. A.
 Parrish, George Cooper, SO, CE, 121 Syme, Box 3521, Te2-9288, RFD 3, Louisburg, NC
 *Parrish, George Stephen, JR, CE, 2806 Bartmettett St., Te2-5609, 909 Lamb St., Henderson, NC
 Parrish, James Irvin, FR, ME, 263 Owen, Box 4514, Te2-9252, 220 Thomas Ave., Charlotte, NC
 Parrish, James Raeford, FR, NE, Becton, Box 3800, Te2-9372, Spring Hope, NC
 Parrish, Jon Eric, FR, CE, 220 Owen, Box 4475, Te2-9252, 722 Carolina Ave., Gastonia, NC
 Parrish, Karl M., JR, ME, 2 N 1620 Hillsboro, Box 5042, Te2-9531, 722 Carolina, Gastonia, NC
 *Parrott, George Rowland, SR, CE, 10-D Vetville, Te4-3591, Raleigh, NC
 Parsons, Nina Wilcox
 *Partin, Cleveland Allen, GRAD, AI, 4700 Hillsboro St., Te2-6156, Raleigh, NC
 Parton, Randy Gene, SO, CE, 239 Alexander, Box 4165, Te4-9746, 383 Woodlawn St., Cramerton, NC
 Paschall, Fred William, Jr., SR, IA, 120 Woodburn Rd., Te3-5560, 1905 Madison Ave., Greensboro, NC
 Pasour, Ernest Caleb, GRAD, AGC, 311 Gold, Box 3235, Te2-9263, RFD 1, Bessemer City, NC
 de Pasquale, Adrian Charles, FR, AG, 57 Owen, Box 4591, Te2-9142, Box 385, Pinehurst, NC
 de Pasquale, Donn Thomas, FR, AG, 57 Owen, Box 4591, Te2-9142, Box 385, Little River Farm, Pinehurst, NC
 Pate, Donald Quiney, Millbrook, NC
 Pate, Nancy Lee, UNC, ED, 303 Hawthorne Rd., Te2-0080, Raleigh, NC
 *Patel, Goruhambhas J., GRAD, FC, 3011 Hillsboro, Raleigh, NC
 *Pati, Nityananda, AI, 122 Park Ave., Po Keshary, DT-Midnapm, India
 Patrick, F. Ann, SO, ARC, 1012 Nichols Dr., Cameron Village, Te3-1439, 908 S. Main St., Laurinburg, NC
 Patterson, A. Donald, SR, ME, 120 Tucker, Box 4631, Te2-9388, 1433 E. Palo Rd., Winston-Salem, NC
 Patterson, Emmett Sloop, JR, MAG, 2718 Clark Ave., Te2-6451, Rt. 1, China Grove, NC
 Patterson, Glenn Wayne, SO, ABC, 2718 Clark Ave., Te2-6451, Rt. 1, China Grove, NC
 Patterson, Larry Hugh, JR, AGE, 2718 Clark Ave., Te3-4545, Rt. 1, China Grove, NC
 Patterson, Reid Barnes, FR, EE, 227 Syme, Box 3559, Te2-9150, 132 Circle Dr., Salisbury, NC
 Patterson, Robert Preston, FR, AG, 47 Tucker, Box 4797, Te2-4923, Rt. 2, Box 406, Hickory, NC
 Patton, Jimmy Vance, FR, NE, 217 Bagwell, Box 3349, Te2-9131, Rt. 3, Friona, Texas
 Patton, Peter Warlick, III, SO, CE, 2 Berry, Box 4335, Te2-9350, Morganton, NC
 Paul, Donald Ross, FR, CHE, 120 Turlington, Box 4217, Te4-9279, Box 134, Bath, NC
 Paulk, John Irvine, GRAD, NE, 1029 W. South, Raleigh, NC
 Pavia, Rafael Alberto, GRAD, CE, Riddick Hall, Box 5767, Calle 87, 8-69 Bogota, Colombia, S. A.
 Payne, Charles Edward, FR, ME, 207 Becton, Box 3741, Te2-9334, Raleigh, NC
 Payne, David Jackson, FR, ME, 55 Owen, Box 4589, Rt. 9, Box 106, Greensboro, NC
 Payne, James Dwight, SO, NE, 120 Bagwell, Box 3320, Te4-9219, Rt. 1, Bryson City, NC
 *Payne, Willie Leonard, Rt. 2, Wake Forest, NC, Rt. 4, Box 182, Asheville, NC
 Peach, Durwood W., Jr., 2713 Vanderbilt, Te3-4716, Raleigh, 615 Lee St., Gastonia, NC
 Peacock, David Russell, FR, IA, Owen, Box 4481, 109 Catherine St., Benson, NC
 *Peacock, George Seymour, SO, EE, 2402 Everett Ave., Te4-1820, Rt. 5, Goldsboro, NC
 Peacock, Richard Gene, SO, AG, 1306 Hillsboro, Te2-0982, Box 163, Roper, NC
 Pearce, Kay Braxton, FR, CE, 40 Dixie Dr., Te4-0816, Raleigh, NC
 Pearce, Robert Gaston, Jr., SO, ME, 228 Alexander, Box 4157, Te4-9746, 224 Virginia Ave., Henderson, NC
 Pearman, Thomas Harold, FR, FC, 125 Owen, Box 4420, Te2-9115, Summerfield, NC
 Pearsall, Jere, JR, IE, 16 Enterprise St., Te4-7904, Box 222, Holly Springs, NC
 Pearson, Frederick James, JR, MEA, 222 Hillcrest Rd., Te2-3429, Rt. 1, Saluda, NC
 *Pearson, James Roy, Jr., SR, EE, 5655 W. Blvd., Te2-5459, Raleigh, NC
 *Pearson, Richard Fletcher, SR, AGC, 1618 Hillsboro St., Te4-3782, 111 Faison St., Clinton, NC

*Pearson, Robert Clarence, SR, IE, 2226 Bernard St., Te4-6595, Raleigh, Kings Mountain, NC
 *Pearson, Ronald Floyd, SR, CE, Pine Lake Trailer Park, Rt. 7, Raleigh, 284 Beaverdam Rd., Asheville, NC
 *Peatross, Thomas Edgar, SR, IE, 947 St. Mary's St., Te2-5504, Raleigh, NC
 Pecora, Louis Alfred, FK, GS, 329 Syme, Box 3593, 302 Oakridge Ave., Fayetteville, NC
 Peden, James Murchison, Jr., SR, CE, 2514 Clark Ave., Te3-4522, 907 Williamson Dr., Raleigh, NC
 Peed, John Cullom, SO, CE, 110 Becton, Box 3710, Te2-9256, Creedmoor, NC
 *Peed, Shelton Roy, SR, ARC, 206 Forest Rd., Te4-0280, Raleigh, NC
 *Peedin, Parker Caswell, Box 61, Smithfield, NC
 Peele, Charles VanBuren, JR, EPY, 23 Stadium, Box 4368, Te4-9803, Rt. 5, Goldsboro, NC
 Peele, John Elmo, III, SR, HKT, 207 Gold, Box 3219, Te2-9263, Roxobel, NC
 Peele, William Harry, Jr., SO, PPT, 225 Bagwell, Box 3357, Te2-9131, 104 W. 3rd, Plymouth, NC
 *Peele, William Raymond, Jr., FR, AG, 112 O'Neil St., Clayton, NC
 Peeler, Leidy Yearick, Jr., FR, CE, 151 Owen, Box 4442, Te2-9437, 600 Dowd Rd., Charlotte, NC
 Pegram, Michael Allen, SO, ME, 2209½ Hope St., Te4-3244, Bauersfeld St., Hamlet, NC
 Pell, Gerald Allen, FR, MEA, 121 Becton, Box 3721, Te2-9256, 115 Enskine, Greensboro, NC
 Pendergraft, Garrieth Blane, FR, TX, 22 Becton, Box 3823, Te2-9261, 975 Beverly Dr., Rock Hill, SC
 *Penn, Peter Thomas, GRAD, PPH, 406 A. Williams Hall, Ex. 272, 803 New Bern Ave., Raleigh, NC
 *Pennell, Bradley Mack, JR, FMM, 1509½ Hillsboro St., Va8-2703, 100 Crestmere Dr., Lenoir, NC
 Pennell, Roland Jerry, SO, MEA, 118 Bagwell, Box 3318, Te2-9412, 648 Highland Ct., Warwick, Va.
 Penney, Carl Murray, JR, NE, Phi Epsilon Pi Frat., Te4-7325, 232 Shoe Lane, Warwick, Va.
 Pennsyle, Ronald Owen, FR, CHE, 67 Tucker, Box 4816, Te2-9186, 175 Piccadilly, Winston-Salem, NC
 *Penny, Augustine Caleh, JR, MED, Rt. 2, Clayton, NC
 *Pepe, Robert Alan, SO, IA, Rt. 1, Cary, NC
 *Perdue, Rayvon, SR, FMM, Box 5141, Te3-5024, Box 442C, Kannapolis, NC
 Perkins, Donald Bynum, SR, TC, 1720 Hillsboro St., Te4-0451, Long Beach, California
 Perkins, James Vance, Jr., JR, NE, 7 Enterprise St., Te4-0435, 2413 E. 5th St., Greenville, NC
 Perkins, Roger Drew, FR, NE, 7 Syme, Box 3603, Te2-9421, 83 Jill Lane, Cheshire, Conn.
 Perkinson, William David, FR, CE, 126 Tucker, Box 4637, Norlina, NC
 *Perry, Bobby Alton, SO, TX, 518 E. Franklin St., Te3-0777, 518 E. Franklin St., Raleigh, NC
 Perry, Donald Keith, FR, FOR, 236 Owen, Box 4490, Te2-9410, Rt. 1, Scotland Neck, NC
 Perry, Douglas Yates, SO, MEA, 1128½ N. Blount St., Rt. 4, Zebulon, NC
 Perry, Glenn Grey, Jr., FR, NE, 3rd, Alexander, Box 4196, Te2-9349, 702 Sunset Dr., High Point, NC
 *Perry, Glenwood Hayes, SR, ME, Apt. D, Res. Physicians Bldg., State Hospital, Zebulon, NC
 *Perry, June Gill, SR, MAG, Rt. 1, Louisburg, NC
 *Perry, Norman Hagelberg, JR, CEC, 1507 W. Pettigrew St., Durham, NC
 Perry, Wesley Stewart, FR, NE, 226 E. Drewry Lane, Raleigh, NC
 Perry, William Earl, FR, AG, Turlington, Box 4257, Te2-9297, Rt. 3, Siler City, NC
 Perry, Winston Craig, Jr., SO, AI, 236 Owen, Box 4490, Te2-9252, Rt. 1, Box 64, Scotland Neck, NC
 Perryman, Donald Gardner, JR, FOR, 212 Alexander, Te9-5361, 43 Chest St., Albany, NY
 Perseghin, Adrian Leopold, SO, IA, 112 Becton, Box 3712, Te2-9256, Watha, NC
 *Peterson, Billy Shelton, SO, EE, 2404 Van Dyke Ave., Raleigh, NC
 Peterson, Frank Alexander, FR, NE, 315 Kinsey St., Te2-8994, Raleigh, NC
 Peterson, Howell Liveous, FR, ME, Tucker, Box 4803, Te2-9186, Rt. 2, Garland, NC
 Peterson, James Ray, SR, AED, 315 Watauga, Te2-9132, Rt. 2, Clinton, NC
 Peterson, Jesse Julius, Jr., SR, ARC, 224 Syme, Box 3556, Te2-9150, Rt. 1, Box 244, Wilmington, NC
 *Peterson, John M., SR, ARC, 415 Gardner St., Va8-2585, Raleigh, NC
 *Peterson, Lennart R., SR, EPY, 14 Shelton Apts., 20 Mayo St., 1518 S. Hawthorne Rd., Winston-Salem, NC
 Peterson, Paul David, SO, NE, 107 Owen, Box 4404, Te2-9115, 422 N. Patrick, Leaksville, NC
 Peterson, Walter B., SO, TX, 3414 Hillsboro St., Te3-4808, 2636 Roswell Ave., Charlotte, NC
 *Pethel, Frank C., GRAD, AMA, 3300 Dunn Ave., Te2-2673, Raleigh, NC
 Petrie, Terrell Barclay, SO, AN HUS, Rt. 1, HO7-7573, Cary, Box 13, Blanch, NC
 *Pettus, Charles William, SR, RS, Rt. 1, Box 438, Morrisville, NC
 Petty, Robert Harris, SO, ME, 519 Gardner St., Te2-2189, Rt. 1, Moncure, NC
 Phelps, James Clifton, JR, EE, Turlington, Box 4206, Te4-9279, Rt. 8, Robinhood Cr., Winston-Salem, NC
 *Phelps, Robert Bridger, GRAD, WT, 616 Grove Ave., Raleigh, 405 Belmont St., Windsor, NC
 Phelts, Marion Rickman, SR, HAC, Becton, Box 3767, Te2-9131, Box 132, Lillington, NC
 *Phifer, Addison Keith, GRAD, CHE, UK-28 Verville, Raleigh, RFD 1, Peachland, NC
 *Phifer, Arthur Graham, FR, ME, 2622 Bedford Ave., Te3-7602, 217 E. Sumter St., Shelby, NC
 Phifer, Billy Jack, Jr., FR, EE, 205 Welch, Box 3251, Te2-9119, 401 E. Chestnut, Goldsboro, NC
 Phifer, William Joseph, Jr., SR, ME, 208 Bagwell, Box 3340, Te2-9131, 1837 Pegram St., Charlotte, NC
 Phillips, Alan Clair, SR, EE, 107 Welch, Box 3243, Te2-9119, Rt. 3, Mocksville, NC
 *Phillips, Bobby Emerson, GRAD, MA, 1917½ Craig St., RFD 3, Bakersville, NC
 Phillips, Dewey Lee, SO, ARC, 312 Berry, Box 4332, Te2-9363, Rt. 1, Box 15, Dallas, NC
 Phillips, Don Hugh, FR, TC, 157 Tucker, Box 4664, Charlotte, NC
 Phillips, Earl Jennings, FR, CE, 126 Syme, Box 3526, Te2-9288, 220 N. 3rd., St. Pauls, NC
 Phillips, Frank Wilson, Jr., SO, AG, 1310 Hillsboro St., Te2-5897, Rt. 2, Spruce Pine, NC
 Phillips, George Thomas, JR, CE, 125 Turlington, Box 4222, Te4-9279, Rt. 1, Scotland Neck, NC
 *Phillips, Harlen Devrick, SO, IA, 807 West South St., Raleigh, 1008 Sloop Ave., Kannapolis, NC
 Phillips, Harold Eugene, SR, REC, 126 Owen, Box 4421, Te2-9437, RFD 1, Selma, NC
 Phillips, James Arthur, SO, AG, 307 Bagwell, Box 3373, Te4-9151, Box 35, Spruce Pine, NC
 *Phillips, M. O., GRAD, AED, 9281 Dunn, NC, Coats, NC
 Phillips, Philip Holleman, FR, EE, 326 Syme, Box 3590, Te2-9222, Rt. 1, Hertford, NC
 Phillips, Rex Askew, SR, GEE, 109 Oberlin Rd., Rt. 2, Snow Hill, NC
 Phillips, Robert Kenneth, SR, EE, 339 Alexander, Box 4199, Te2-9549, Lillington, NC
 Phillips, Robert Lincoln, JR, LA, 356 Tucker, Box 4783, Te2-9323, 419 Greenwood, High Point, NC
 *Phillips, Travis Denton, GRAD, AGC, UK-31, Box 5463, Te4-0579, Box 539, State College, Miss
 Phlegar, Barry Bartley, 518 Phelps Ave., Raleigh, NC
 Pickett, Alfred Thomas, SO, CE, 359 Tucker, Box 4786, Te2-9323, Rt. 4, Mebane, NC
 Pierce, Archie Lincoln, SO, FOR, 3107 Hillsboro St., West Jefferson, NC
 Pierce, Garland Frank, JR, MEA, 16 Enterprise St., Apt. 2, Te4-7904, Southern Pines, NC

Pierce, Gerald Addison, FR, NE, 129 Owen, Box 4424, Te2-9437, 740 B English, High Point, NC
 *Pierce, Henry Jones, Alumni Bldg., Military Dept. State College, 1726 Sterling Rd., Charlotte, NC
 Pierce, Robert Hunter, FK, CE, 249 Owen, Box 4500, Te2-9252, 300 S. Rond St., Elizabeth City, NC
 Pierce, Ronald Delano, 129 Owen, Box 4424, Te2-9115, 524 Carter, High Point, NC
 *Pierczynski, Edmond Joseph, UNC, ENG, 12½ Enterprise St., 1221 E. 36th St., Charlotte, NC
 *Pierrpoint, Wilson Douglas, Te4-4950, 1906 Alexander Rd., Raleigh, NC
 Pierson, James Ashley, FR, TX, 211 Syme, Box 3543, Te2-9150, 501 McNair, Laurinburg, NC
 Piesner, Barry J., FR, MEA, 325 Tucker, Box 4756, Te4-9739, 70 Patton Blvd., New Hyde Park, NY
 Pigg, Johnny Oron, JR, AED, 305 Watauga, Te2-9132, Wingate, NC
 Pilch, Robert Martindale, SO, AI, 409 Chamberlain Ave., Te2-9565, Box 261, Basking Ridge, NJ
 Pilkington, Theo Clyde, SR, EE, 208 Welch, Box 3256, Te2-9119, 1012 Park Ave., Durham, NC
 Pinkham, Albert F., FR, IA, 318 Tucker, Box 4749, Te4-9739, Rt. 2, Box 139, Washington, NC
 Pinkington, Bobby Gene, FR, CE, 306 Welch, Box 3266, Te2-9119, Rt. 3, Smithfield, NC
 *Pitche, Kenneth Allen, 1102 Gorman St., 407 12th St., Wheatland, Wyoming
 Pittman, Arnold Sherwood, SO, ME, 126 Owen, Box 4421, Te2-9437, RFD 2, Selma, NC
 Pittman, Robert Elijah, SR, CE, 6 Enterprise St., Te2-4788, 1406 Bond St., Kinston, NC
 Pittman, Rodney Lee, SO, HAC, 306 Welch, Box 3266, Te2-9119, 1221 Sycamore St., Rocky Mount, NC
 Pitts, Kirby Allen, SR, FC, 2718 Clark Ave., Te3-4545, Rt. 6, Winston-Salem, NC
 Piver, James Judson, JR, CHE, 103 Welch, Box 3239, Hampstead, NC
 Pivin, John Oscar, SO, CE, 302 Bagwell, Box 3368, Te4-9151, 680 Hope St., Bristol, RI
 Platanis, Athanasios Michael, GRAD, ME, 124 Turlington, Box 4221, Te4-9279, 14 2nd. May Str., New Smyrna, Athens, Greece
 Plaxen, Bernard Wolfe, SR, TX, 130 Hawthorne Rd., Te4-7325, 48 Lott Ave., Brooklyn, NY
 Player, Lonnie McGowen, JR, CEC, Te3-7554, Mayview Rd., 417 Lake Shore Dr., Fayetteville, NC
 Plemmons, Robert Laxton, FR, FOM, 111 E. Six Forks Rd., Raleigh, NC
 Plemmons, Tommy Ray, SO, CE, 163 Tucker, Box 4670, Te2-9388, 96 Oiney Rd., Asheville, NC
 Pless, Robert Eugene, SO, ARC, 230 Bagwell, Box 3362, Canton, NC
 Plockelman, David Delmar, JR, ARC, 216 Watauga, Box 3034, Te2-9132, Rt. 3, Box 195, W. Palm Beach, Fla.
 Plott, Glenn Cordell, FR, NE, 203 Tucker, Box 4676, Te2-9387, Rt. 13, Box 615, Concord, NC
 *Plowman, Joseph David, JR, FOR, 106 Horne St., Raleigh, Te2-21887, Raleigh, NC
 Plyler, Lynn Wells, SR, AI, NCSC Dairy Farm, 4700 Hillsboro, Te2-9763, Waxhaw, NC
 *Plyler, Phillip H., SO, AG, 806 Brooklyn St., Rt. 5, Winston-Salem, NC
 Podwika, Ronald, JR, IA, 3384 Bagwell, Te4-9151, 1201 Crest Ave., Charcoi, Pa.
 Poe, Richard Van, SO, NE, 312 Syme, Box 3576, Te2-9222, 801 West 3rd, Siler City, NC
 *Poindexter, Everett J., SR, CE, Apt. 8-C, Verville, Te4-2132, 209 Morrison Ave., Tarboro, NC
 Poindexter, Vernon Clayton, SO, IE, 6 Fernden Lane, Te2-2265, Box 177, East Bend, NC
 Poindexter, William Brandon, JR, AED, 235 Alexander, Box 4162, Te4-9746, Rt. 2, East Bend, NC
 Poinsett, Ron W., Jr., SO, EE, 1218 Glenwood Ave., Te4-0921, Lawrence-Penn Rd., Lawrenceville, NJ
 Poley, Paul Wilson, JR, ME, 2514 Clark Ave., Box 5665, Te3-4522, 2013 Brandon Circle, Charlotte, NC
 *Polk, Harold E., SR, CEC, 1712 Park Dr., Te2-0472, Raleigh, NC
 Pollock, David Bruce, FR, NE, 340 Owen, Box 4554, Te4-9836, 52 Pleasant St., Spindale, NC
 Pollock, Donald Page, JR, CE, 1114 Parker St., Te4-9583, Raleigh, NC
 Pond, Larry Edward, SO, EE, 102 Webb, Box 3238, Te2-9119, Davis, NC
 Pond, Nathan Jones, Jr., SR, AGC, Pi Kappa Alpha, Te4-0451, 15 Fairfield, Montclair, NJ
 Ponder, Patricia Elaine, SO, EST, 805 Brooks Ave., Te2-6987, Raleigh, NC
 Ponder, Reginald Wallace, JR, RS, 11 YMCA, Box 5276, Te2-7184, 805 Brooks Ave., Raleigh, NC
 Pons, Thomas Jenkins, SO, CHE, 155 Tucker, Box 4662, Te2-9286, Valdese, NC
 *Poole, Calvin P., Jr., SR, IA, 2320 Clark Ave., Apt. D, Va8-2119, Raleigh, NC
 *Poole, David Arville, SR, TX, 210 N. Harvinton St., Rt. 2, Box 45-A, Rockwood, Tenn
 Poole, Ernest Gordon, SR, ME, 602 E. Academy St., Fuquay Springs, NC, 1232 Enderly Rd., Charlotte, NC
 Poole, Gordon Joseph, SO, ME, 219 Owen, Box 4474, Te2-9410, 1506 Scales St., Raleigh, NC
 Poole, Henry Walker, Jr., FR, AG, 407 Chamberlain St., Te2-3665, Raleigh, NC
 Poole, Lonnie C., Jr., JR, CE, 7 Enterprise St., Te4-0435, Rt. 2, Raleigh, NC
 Poole, Marion Ronald, SR, CE, 108 Syme, Box 3508, Te2-9288, 100 Howard, Thomasville, NC
 *Poole, Zeb Vance, SR, EE, D-5 Shelton Apts., Te4-5827, Rt. 1, Statesville, NC
 Pooser, Arthur Keith, Jr., SR, ME, 2612 Clark Ave., Te2-9484, 437 S. Garden St., Marion, NC
 Poovey, Robert Lewis, JR, IE, 2512 Clark Ave., Te2-4843, 35-18 Ave., NW, Hickory, NC
 *Pope, James Raeford, Te4-1375, 210 Cox Ave., Raleigh, NC
 *Pope, Max Lyndell, SO, CE, 1110 Glenwood Ave., Raleigh, NC
 Pope, Oscar Earl, Jr., PROF, ARC, 2512 Clark Ave., Te2-8353, 2309 E. 5th St., Charlotte, NC
 Pope, Ray Edward, JR, ME, 131 Alexander, Box 4126, Te2-9257, Box 483, Hickory, NC
 Pope, Robert Harris, Jr., SO, TX, 134 Turlington, Box 4229, Cedar Grove, NC
 *Pope, Vernon Roberson, Apt. 4-E, Verville, Raleigh, 2909 Winston Rd., Durham, NC
 *Poplin, Jack Kenneth, JR, CE, 810 Peace Terrace, Box 5103, Rt. 2, Norwood, NC
 Porter, Paul Harold, GRAD, AMA, 3108 Raymond St., Raleigh, NC
 Porter, Samuel Lewis, Jr., 23 Becton, Box 3824, Te2-9261, Box 202, Sparta, NC
 Porter, William B., JR, TX, 20 Logan Ct., Te2-6219, 424 E. Main St., Washington, NC
 Porth, William Robert, SO, CE, 316 Tucker, Box 4747, Te4-9739, 3155 Briarcliffe, Winston-Salem, NC
 *Poston, Hugh Arthur, GRAD, AI, 3614 Western Blvd., Te2-1548, Raleigh, NC
 Poteat, Donald Rayford, FR, EE, 332 Bagwell, Box 3398, Salisbury, NC
 *Poteat, Jimmy Langston, SR, TX, 2201½ St. Mary's St., Raleigh, Te4-7492, Rt. 1, Yanceyville, NC
 Poteat, William Thomas, JR, EE, 121 Turlington, Box 4218, Te4-9279, 309 Spindale, NC
 Poteet, Jack Riley, FR, 330 Alexander, Box 4193, Te2-9349, Rt. 4, Box 303, Morganton, NC
 Poteet, Thomas Sanford, FR, MEA, Bagwell, Box 3315, Te2-9412, Box 532, Drexel, NC
 Potter, Carroll Lee, SO, FOM, 213 Turlington, Box 4241, Te2-9297, Rt. 5, Box 308, New Bern, NC
 Potter, Norwood, SO, AI, 100 Faculty St., HO-72121, Cary, Rt. 5, Clinton, NC
 Potts, James Meachem, GRAD, ME, 107 Chamberlaine St., Te2-7468, Rt. 3, Charlotte, NC
 Poulos, James, FR, EE, 230 Becton, Box 7764, Te2-9334, Box 529, Weldon, NC
 Powell, Carl Fiav, Jr., FR, IE, 233 Bagwell, Box 3365, Te2-9131, 423 S. Front St., Wilmington, NC
 Powell, James Wheeler, FR, TC, 327 Becton, Box 3795, Te2-9372, 1306 Cornwallis, Greensboro, NC
 Powell, Joseph A., FR, MAG, 41 Owen, Box 4578, Te2-9142, Rt. 1, Spring Hope, NC

*Powell, Lawrence Billy, SR, IA, 707½ W. Lane St., Te4-9983, 118 S. Fieldcrest, Draper, NC
 *Powell, Leon Max, SR, EMA, 33-A Vetville, Box 161, Erwin, NC
 *Powell, Nathaniel Thomas, GRAD, PP, UK-45 Vetville, Te2-1161, Rt. 1, Halifax, Va.
 Powell, Robert Eugene, SR, CE, Garner, NC
 Powell, Samuel Fletcher, 400 Penny, Garner, NC
 Powell, Thomas Cox, JR, HAC, 2806 Exeter Cir., Te2-1073, Raleigh, NC
 *Powell, William Morton, GRAD, PP, UK-38 Vetville, Box 295, Halifax, Va.
 *Powley, Victor M., VaS-2984, 2716 Bedford Ave., Raleigh, NC
 *Powman, Worth Byron, II, 1612 Oberlin Rd., 1202 Rotary Dr., High Point, NC
 Prairie, Richard Roland, GRAD, EST, 203 Groveland, Te2-6861, Pine City, Minn.
 Pratt, Peter T., JR, ARC, 10 Enterprise St., Buenos Aires, Argentina
 Precythe, Henry Wesley, SO, FOR, 308 Welch, Box 3268, Te2-9119, Box 205, Faison, NC
 Freddy, Fleming Mitchell, SO, IRR, 920 Henderson Rd., Te4-5990, Raleigh, NC
 Prendergast, Joseph H., SO, WCM, 2713 Clark Ave., Apt. B, Raleigh, NC
 Prendergast, Michael Richard, FR, CE, 2713 Clark Ave., Te4-6488, Raleigh, NC
 *Prescott, Howard, SR, EE, Apt. Cameron Court Apts., 804 W. Morgan St., Raleigh, NC
 Presley, David Marion, SO, EE, 55 Tucker, Box 4805, Te2-9186, 534 Hendersonville Rd., Asheville, NC
 *Presson, Kendrick Benton, SR, TX, 17-B Vetville, Te4-3135, 2011 Wolcott Ave., Wilmington, NC
 *Preston, James Albert, 26-B Vetville, Te4-8196, 700 W. Church St., Elizabeth City, NC
 *Preston, Lester Ware, Jr., GRAD, EST, 2115 Club Blvd., 8-4171, Durham, 518 N. 2nd St., Wilmington, NC
 Preston, Martha B., SO, GS, 3201 Churchill Rd., Te2-8864, Raleigh, NC
 Prestwood, A. Katherine, SR, ZO, 200 Furches St., Te3-0374, Rt. 3, Box 912, Lenoir, NC
 Prevo, Franklin Lawrence, FR, G. Ind., Nazareth Rural Sta., Raleigh, NC
 Price, Clay Crowson, JR, FC, 2100 Hillsboro St., Te4-6094, Rt. 2, Box 98, Taylorsville, NC
 Price, Cullen Blackmond, Jr., SO, ARC, 261 Owen, Box 4512, Te2-9140, RFD, 3, Mt. Olive, NC
 Price, Franklin Roosevelt, SO, CE, 104 Berry, Box 4304, Te2-9350, 504 Trade St., Tarboro, NC
 Price, Robert Moore, SR, EX, 7 N. East St., Te3-1252, Raleigh, NC
 *Price, Thomas Lem, GRAD, FOR, 202 Ashe Ave., Te4-4702, Raleigh, Magnolia, Miss.
 Price, Wayne Edward, FR, ARC, 324 Tucker, Box 4755, Te4-9739, 1766 N. Center St., Hickory, NC
 *Price, William Lamont, SR, FMM, 307 Chamberlain St., Te2-8044, 507 S. Pineview, Goldsboro, NC
 *Pridgen, James P., SO, CE, P.O. Box 5421, Te4-2106, Raleigh, NC
 Pridgen, John Bailey, Jr., SR, CE, 1431 Beaverdam Dr., Rt. 1, Box 140, Salisbury, NC
 Prim, James William, SO, MEA, 5 Berry, Box 4338, Te2-9350, 455 ENY Ave., Southern Pines, NC
 Prince, Billie Adams, SO, EE, 205 Bagwell, Box 3337, Te2-9131, 321 Eastern Blvd., Fayetteville, NC
 Prince, Jimmy Harold, FR, EE, 205 Bagwell, Box 3337, Te2-9131, Rt. 2, Fuquay Springs, NC
 Prince, John Robinson, Jr., FR, AGC, 605 King Richard Rd., Box 522, Te3-1985, Raleigh, NC
 Prince, Wallace Lee, SR, IRR, 334 Bagwell, Box 3400, Rt. 2, Cairo, Ga.
 *Pritchard, Eugene Joseph, JR, BO, 101-B Chamberlain St., Gen Del, Elk Park, NC
 *Pritchard, G. Ian, GRAD, AI, 905½ W. Peace St., Te3-9203, Raleigh, Alcoe, Quebec.
 Pritchard, William Miles, 3520 Bellevue Rd., Raleigh, NC
 Privott, Wilbur Joseph, Jr., FR, CE, 312 Bagwell, Box 3378, Te4-9151, RFD, Tyner, NC
 Proctor, Paul Dewey, Jr., FR, AG, 308 Welch, Box 3268, Te2-9119, Rt. 4, Box 704, Rocky Mount, NC
 Proctor, Robert Pittman, SO, AG, 119 Becton, Box 3719, Te2-9256, Rt. 2, Walstonburg, NC
 Proctor, Ted Wilson, SO, TX, 250 Owen, Box 4501, Te2-9410, P.O. Box 2201, Hickory, NC
 *Proescher, Andrej Jay, III, JR, ME, 1002 E. Chathan, Cary, NC
 Proffitt, Burton Mills, JR, CE, 106 Gold, Box 3206, 25 Devon Rd., Great Weck, NY
 Propst, Paul Laurance, JR, NE, 113 Syme, Box 3513, Te2-9288, Southern Pines, NC
 Prout, Lloyd Thomas, FR, EE, 326 Owen, Box 4541, Te4-9300, 416 Craven St., Durham, NC
 Prova, Donald Lee, SO, HAC, 240 Tucker, Box 4710, Te2-9369, Box 3094, Wilson, NC
 Provost, Jack Ward, SO, CE, 105 Syme, Box 3505, Te2-9288, Hubert, NC
 *Pruette, Dean Mac, SR, NE, 210 Cox Ave., Apt H, Te2-3114, Raleigh, NC
 Pruitt, Franklin Reid, SO, EE, 131 Owen Box 4429, Te2-9437, Rt. 2, Ruffin, NC
 Pruitt, Howard Leo, Jr., SO, IE, 116 Syme, Box 3516, Te2-9288, 606 Spring St., Mt. Airy, NC
 Pruzan, Max, SR, IRR, 1208 Filmore St., Te2-7130, Raleigh, NC
 *Pryor, James Willard, SO, EE, 16 Horne St., Apt. 6, Raleigh, NC
 *Pryor, Jerry, SR, EE, 205 Welch, Box 3253, Te2-9119, 500 Elm St., Mt. Holly, NC
 Pucillo, Louis Edward, JR, IRR, 365 Tucker, Box 4792, Te2-9192, 2528 Mole St., Phila., Pa.
 Puckhaber, Edmund Clarence, FR, PPT, 253 Owen, Box 4504, Te2-9410, 962 Ashley Ave., Charleston, SC
 Puett, Billy Arthur, FR, 164 Owen, Box 4455, Te2-9437, Rt. 1, Morganton, NC
 Puett, Bobby Eugene, SO, HAC, 164 Owen, Box 4455, Te2-9437, Rt. 1, Box 410, Moranton, NC
 Puett, John David, FR, NE, 55 Tucker, Box 4805, Te2-9186, 203 Asheville St., Morganton, NC
 Pugh, Claud Ervin, FR, ME, 105 Tucker, Box 4619, Te2-9388, Rt. 1, Asheville, NC
 *Pulliam, George Donald, FR, EE, 976 Wilmington Terrace, Halifax Ct., Raleigh, NC
 *Pulliam, James Willis, Jr., SR, WCM, 3000 Anderson Dr., Epso Rd., Henderson, NC
 Punch, James Darrell, JR, DM, 2100 Hillsboro St., Rt. 2, Conover, NC
 Purdy, Frank K., Jr., FR, ME, 115 Tucker, Box 4626, Te2-9388, 1533 Sherwood Dr., Burlington, NC
 Purvis, Albert Columbus, JR, AED, 323 Turl., Box 4285, Te2-9297, Rt. 1, Box 4, Winnabow, NC
 *Putnam, Billy Roger, SO, EE, 2112 Pelham Rd., Te4-5656, Raleigh, NC
 Putnam, Richard Vincent, JR, CE, 218 Watauga, Box 3036, Te2-9132, Box 187, Rutherfordton, NC
 Puttium, Jerry Clark, FR, EE, 329 Owen, Box 4544, Te4-9360, Andrews, NC

Quance, Margaret Wilson, 2402 Van Dyke Ave., Raleigh, NC, Te2-1610
 Queen, Garland Leon, SO, CE, 301 Bagwell, Box 3367, Te9251, Cassar, NC
 Query, Robert George, SR, IA-TO, 517 Forrest Rd., Raleigh, Cornell Dr., Sanford, NC
 Quick, Lee Tanya, SO, EE, 318 Alex., Box 4181, Te2-9549, 105 Gray St., Wilson, NC
 Quickel, Jacob Craig, JR, IA, 125 Tucker, Box 4636, Te2-9365, 1635 Arnold Dr., Charlotte, NC
 *Quinn, Don Oliver, SR, ME, 103 Watauga, Box 3003, Te2-9447, 21 Wanoca Ave., Asheville, NC
 Quinn, James Frank, FR, CE, 239 Turl., Box 4264, Te2-9297, 1520 S. Marietta St., Gastonia, NC

Rabb, Nelson Eddy, FR, ME, 51 Owen, Box 4585, Te2-9142, 31 Arkray St., Gastonia, NC
 *Rackley, Francis D., FR, ME, 240 Owen, Box 4500, Te2-91410, P.O. Box 261, Nashville, NC
 Rackley, Robert Louis, SR, DM, 301 Welch, Box 3261, Te2-9119, 237 Bear Creek, Asheville, NC
 Rackley, Victor Douglas, SR, CE, 2512 Clark, Te2-4843, P.O. Box 247, Sharpsburg, NC

Rackley, Warner Smith, FR, AG, 53 Owen, Box 4587, Te2-9142, Rt. 2, Nashville, NC
 Radford, Frederick C., FR, MA, E. 4483 Owen, Box 4483, Te2-9410, Rt. 1, Kenly, NC
 Radford, William Blanton, SO, FOM, 2612 York Rd., Raleigh, NC, Te3-4850
 *Ragland, Gilbert Gray, GR, OIG, 1210 Glenwood Ave., Te3-4000, 423 Linden Ave., Oxford, NC
 *Ragland, John Leonard, GR, Soils, 356 Williams Hall, 3314 Pollock Pl., Raleigh, NC
 Rahn, Henry Irwin Jr., Not in residence
 *Raiford, Claude Excell Jr., SR, DM, 984 Peace Terr., Te3-0505, East H., Erwin, NC
 Raines, Warren Lee, SO, IRR, 120 Alex., Box 4116, Te2-9257, 81 Wychem St., Pittsburg, Pa.
 Raines, William Albert, SR, ME, 202 Syme, Box 3534, Te2-9150, 415 Castle St., Wilmington, NC
 *Ram, Peretz, GR, AGC, 2612 Glenwood Ave., Apt. D, Va8-2588, Bet-Hakeren, Jerusalem, Israel
 *Ramey, Harmon Hobson Jr., GR, FC, 531½ N. Person St., Te3-6742, P.O. Box 454, Russell, Ark.
 *Ramey, John Rutledge, SO, NE, 26 Syme, Box 3620, 1022 West St., Kannapolis, NC
 *Ramey, Leonard Carl, JR, ME, 34-B Vetteville, Te2-9498, P.O. Box 2126, E., Rockingham, NC
 *Ramirez, Gregorio Enriquez Jr., SP, TX, 311 Berry, Box 4331, Bocave, Bulacan, Philippines
 Ramsey, Edgar Lee Jr., SO, EE, 4 Berry, Box 4337, Te2-9350, 1008 Fairfield Dr., Gastonia, NC
 Ramsey, Harvey Goodwin, FR, GEE, Beeton, Box 3818, Te2-9201, 504 W. Lenior, Kinston, NC
 Ramsey, Henry Clayton, FR, CE, Turl., Box 4205, Te4-9279, Hubert, NC
 Ramsey, James Warren, FR, E, 165 Owen, Box 4443, Te2-9437, 900 W. Marion, Shelby, NC
 Rand, Bobby Joe, SO, CEC, 321 Owen, Box 4536, Te4-9836, 504 Nottingham Dr., Greensboro, NC
 Randall, John Nashti Jr., JR, TX, 226 Beeton, Box 3760, Te2-9334, 1413 N. Main, Salisbury, NC
 Randall, William David, FR, TX, 226 Beeton, Box 3760, Te2-9334, 1413 N. Main, Salisbury, NC
 *Randolph Hal D., GR, EE, Te4-3936, 407 Horne St., Raleigh, NC
 Raneri, Sam Anthony, FR, REC, 347 Owen, Box 4558, Te3-9000, 512 New Alex Rd., Greensburg, Pa.
 Ranev, Mark, SO, IA, 150 Tucker, Box 4657, Rt. 2, Jacksonville, NC
 *Rankin, Ben Felix, GR, TXM, 309 Hawkins Ave., Sanford, NC, Box 87, SP3-8331
 *Rankin, James Edwin, JR, IA, 3821 Western Blvd., Te2-2968, P.O. Box 5021, Raleigh, NC
 Rankin, Robert Hand, SR, CEC, 2612 Clark, Raleigh, 602 S. York St., Gastonia, NC
 Rankin, William, SO, MTE, 3 Berry, Box 4336, Te2-5390, 2240 Rosewood, Winston-Salem, NC
 Ransom, Dennett Eugene, FR, MEA, 326 Owen, Box 4541, Te4-9300, P.O. Box 155, Frisco, NC
 Ranta, Larry Allen, FR, ARC, 223 Turl., Box 4251, Te2-9297, 413 King St., Gary, Ind.
 *Ranzan, Muhammad, GR, TX, 2402 Hillsboro, Te3-4108, Cluk no. 244 G.B., Dist. Lyallpur, W. Pakistan
 Rape, Melvin Walter, FR, MEA, 118 Alex., Box 4115, Te2-9257, 902 Oakland Ave., Kannapolis, NC
 Raper, Daniel Frederick, SO, EE, 103 Chamberlain St., 102 Oak Ave., Lexington, NC
 Raper, James LeRoy, JR, MEA, 107 Syme, Box 3507, Te2-9288, Mills Home, Thomasville, NC
 Rarter, Berkeley Rozey, FR, NE, 254 Owen, Box 4505, Te2-9410, 70 Circle Dr., Reidsville, NC
 *Rash, Ned, GR, PO, 413 Gardner St., Te4-8022, West Jefferson, NC
 *Ratchford, Robert Carlton, SR, IA, Rt. 1, Cary, NC, P.O. Box 228, Dallas, NC
 Raum, John Frederick, FR, EE, 109 Syme, Box 3509, Te2-9288, C-207 Whitaker Rd., Winston-Salem, NC
 Rawioz, Fred Manfred, GR, TC, 2421 Beechridge Rd., Box 5562, Te3-5267, 63-43 Carlton St., Rego
 Park L. I., NY
 *Rawlins, John Oren, GR, PP, Rt. 1, Cary, NC, Va8-2319, Anrora, Nebr.
 Rawls, Elton Randolph, SO, MEA, 105 Bagwell, Box 3305, Te4-9219, 309 Ray St., Williamston, NC
 Rawls, Harold Edward, FR, CE, 303 Beeton, Box 3771, Te2-9372, 32 E. Central, Havelock, NC
 Rawls, Leon King, FR, AG, 167 Owen, Box 4457, Willard, NC
 *Ray, Clarence Elbert Jr., SR, TX, 15 Bagwell, Te4-0445, P.O. Box 246, Haw River, NC
 Ray, Harold Joseph, SO, ME, 332 Tucker, Box 4763, Burnsville, NC
 Ray, Joel Weir, FR, TX, 233 Tucker, Box 4704, Te2-9387, 68 Grove St., Asheville, NC
 *Ray, Waldo Nicholas Jr., SO, CE, 23-F Vetteville, Raleigh, NC
 *Read, Joseph Finley, JR, IRR, P.O. Box 561, Cary, NC
 Reading, Clark Delano, JR, CE, 161 Tucker, Box 4668, Te2-4367, P.O. Box 603, Cornelius, NC
 *Reagan, Richard, GR, TX, 1504 Iredell Dr., Te2-241, P.O. Box 3, Canton, NC
 Reams, Jack Smith, JR, IE, 2401 VanDyke Ave., Raleigh, NC, Te3-3174
 Reap, Jerry Phillip, FR, EE, 201 Berry, Box 4308, Rt. 1, Albemarle, NC
 Rearick, William Fred, JR, E, MA, 4129 Alex., 311 Spring Ave., Du Bois, Pa.
 Reavis, James Clinton, SO, EE, 111 Tucker, Box 4629, Te2-9388, Rt. 2, Moravian Falls, NC
 Reavis, James Dewey, JR, FMM, 1509 Hillsboro, Te4-2556, 2367 Patterson Ave., Winston-Salem, NC
 Reber, Dean Howell, FR, CHE, Owen, Box 4568, Te4-9300, Rt. 2, York, Pa.
 *Rector, Charlotte Cocke, UN, GS, Te4-5686, 2418 Greenway Terr., Raleigh, NC
 *Redden, Eugene Francis, SR, NE, 2802 Mayview Rd., Te4-7621, Rt. 1, English, Ind.
 Redden, Forrest Richard Jr., SO, EE, 352 Owen, Box 4563, Te2-9464, Rt. 2, Clemmons, NC
 Redford, David Leota, 46 Dixie Dr., Apt. C, P.O. Box 1642, Raleigh, NC
 Redmon, Robert Bruce Jr., FR, EM, 314 Syme, Box 3578, Te2-9222, 119 Wellington St., Asheville, NC
 Redmond, James Michael, SO, CEC, 10 Enterprise St., Te3-6511, 30 Crystal St., Harrison, NY
 Redwine, David Ruffin, SO, ME, 165 Tucker, Box 4672, Te2-9367, 607 W. Side Dr., Lexington, NC
 Redwine, Philip Ogden, SO, ARC, 18½ Horne St., Te4-7470, 82 Maple St., Badin, NC
 Redwine, Richard Horace, JR, CRE, 115 Woodburn Rd., Te2-2933, Rt. 1, Rural Hall, NC
 *Reece, Joe Wilson, GR, AMA, 112½ Shepherd St., Te2-1786, Boonville, NC
 Reed, Arthur William, FR, IA, 416 E. Hargett St., Te2-5914, 3231 S. Karlov, Chicago, Ill.
 Reed, John Michael Jr., SR, TX, 216 Alex., Box 4145, Te4-9746, 2151 Malvern Rd., Charlotte, NC
 Reed, Selmon Kytie, FR, E, 156 Tucker, Box 4663, Te2-9388, Edgewood Knoll Apts. 1-D, Asheville, NC
 *Reel, Hoyt Lee, SR, ME, Te8-2135, 1008 Carlton Ave., Raleigh, NC
 Reeling, Neil Eugene, SO, ME, 120 Alex., Box 4116, Te2-9257, 729 Manchester St. York, Pa.
 *Reep, Brvan R., GR, BO, Te3-7221, 1013 Powell Dr., Raleigh, NC
 Reep, Charles Dean, FR, FOR, 119 Tucker, Box 4630, Te2-9367, Rt. 1, Lincoln, NC
 Reese, Olint Monly, SR, AI, 11 Maiden Lane, Te4-3921, Reese, NC
 *Reese, Lawrence David, JR, AED, 21-B Vetteville, Te4-8149, Rt. 5, Henderson, NC
 *Reese, Robert Plato, SR, EE, 2746 Rosedale Ave., Te2-1706, Mars Hill, NC
 Reese, Thomas Edwin, SR, CHE, 115 Woodburn Rd., Te2-2933, 7214 Schover Ave., Swissvale, Pa.
 Reeves, Carl Arthur Jr., SO, EE, 106 Watauga, Box 3006, Rt. 1, Marshall, NC
 Reeves, William Elwood, SO, CEC, 209 Owen, Box 4466, Te2-9410, Rt. 1, Hallsboro, NC
 Rezebr, Robert Louis, FR, EE, 51 Owen, Box 4585, Te2-9142, P.O. Box 9043, Charlotte, NC

Reich, Donald Gray, SO, ME, 41 Tucker, Box 4794, Te2-9168, 912 Askew St., Burlington, NC
 Reich, Edward Alan, JR, MEA, 3032 Leonard St., Raleigh, 2836 Paxton, Shaker Heights 20, Ohio
 Reichenback, Carl Franklin Jr., FR, ABC, Te4-4573, 3110 Birnamwood Rd., Raleigh, NC
 *Reid, James Paul Jr., TX, 28 Textile Bldg., Ext. 285, 512 E. Hargett, Raleigh, NC
 Reid, Robert Lee, FR, NE, Watauga, Box 3030, Te2-9132, 506 π A E. Bland St., Charlotte, NC
 Reiner, Mark Steven, FR, ED, Alex., Box 4106, Te2-9257, 129 Ocean View Ave., New York, NY
 Reinhardt, Health Franklin, SO, CE, 302 Syme, Box 3566, Te2-9222, Rt. 1, Stanley, NC
 *Reis, Calvin Joseph, GR, WT, 1225 $\frac{1}{2}$ Duplin Rd., Te4-5891, 511 S. Bradford St., Allentown, Pa.
 Reiter, Donald Marvin, SR, TX, 304 E. Park Dr., Te2-7638, 75-52 113th St., Forest Hills 75, NY
 Reitz, Victor Ludwig, JR, ME, 2512 Clark Te2-4843, 517 S. Summit, Charlotte, NC
 *Remini, William Christopher, SR, NE, & MTE, 3110 Douglas St., Raleigh, NC
 Renegar, John Clifford, FR, AGE, 259 Owen, Box 4510, Rt. 7, Box 469, Statesville, NC
 *Renier, Joseph Harold, JR, EE, Apt. 3, 10 Enterprise St., Raleigh, NC
 Respass, Charles Sanderson, FR, AGY, 3153, Stanley Ave., Te3-5174, Rt. 2, Belhaven, NC
 Respass, Victor McCoy, SO, EE, 123 Tucker, Box 4634, 1601 S. Elm St., Greenville, NC
 Rettinger, James Robert, 101 Beeton, Box 3701, Te2-9256, 104 N. Berne, Schuylkill Haven, Pa.
 Reusing, Rolfe, SO, CHE, 2514 Clark, Box 5665, Te3-4522, 231 Kimberly Ave., Asheville, NC
 *Revelle, John R., JR, AGC, 120 Henderson St., Raleigh, NC, Te4-2965
 Revelle, William Frederick, FR, CEC, 116 Alex., Te2-9257, P.O. Box 154, Warsaw, NC
 *Reynders, Donald Edward, UN, E, Six Forks Rd., Rt. 1, Raleigh, NC, Te4-8932
 Reynolds, Arthur Eugene III, FR, CE, 3113 Agocroft Rd., Raleigh, NC, TE4-1563
 *Reynolds, Eugene Thomas, Ho79539, 404 Webster St., Cary, NC
 Reynolds, James Childs, FR, HAC, 301 Owen, Box 4518, 246 5th St. SE, Hickory, NC
 Reynolds, James Robert, FR, MEA, 130 Owen, Box 4425, Te2-9437, 113 Woodland Dr., Boone, NC
 Reynolds, Richard Fredrick, FR, IRR, 129 Turl., Box 4226, 4907 Lackawanna St., College Park, Md.
 Reynolds, William Daniel Jr., 58 Owen, Box 4592, Te2-9142, 317 Covington St., Laurinburg, NC
 *Rhodes, Albert Jones Jr., JR, PPT, 303 Brooks Ave., Te4-0262, 7 Green Acres, Brevard, NC
 Rhodes, Charles Robert, SR, IE, 308 Horne St., Te2-7050, 516 W. Davis St., Burlington, NC
 *Rhue, Reginald Maurice, EE, Box 372, Zebulon, Swansboro, NC
 Rhyne, Gerald Lawson, FR, EE, 303 Tucker, Box 4736, Te4-9739, Rt. 5, Lincolnton, NC
 *Rhyne, Robert Donald SO, IA, 614 Aiken Prkwy, Fuquay Springs, NC
 Ribakove, Richard Harvey, JR, TX, Sanford, NC
 Ribelin, Nathaniel Oscar, Jr., FR, MEA, 114 Owen, Box 4409, Te2-9437, Rt. 5, Box 688, Salisbury, NC
 Rice, Clyde Crosby, SR, FOM, 120 Hillcrest St., Te2-6383, Box 705, Asheville, NC
 Rice, James Alvin, Jr., SR, ME, 357 Tucker, Box 4784, Te2-9923, 112 N. Kerr Ave., Wilmington, NC
 *Rice, James Thomas, GR, WT, 2304 Van Dyke, Te3-5653, Birmingham, Ala.
 *Rice, John Carl, GR, AG, 109 N. Lord Ashley Rd., Hohenwald, Tenn.
 Rice, Paul Hugh, Jr., FR, ME, 117 Watauga, Box 3017, Te2-9447, RFD, Sunbury, NC
 Rich, Carl Vann, SO, CE, 125 Bagwell, Box 3325, Rt. 2, Castalia, NC
 Rich, Clyde Russell, SR, ARC, 2220 Hillsboro, Te2-4383, Beaman St., Clinton, NC
 Richardson, Carl Bryant, Jr., JR, CE, 104 Syme, Box 3504, Te2-9288, Rt. 1, Louisburg, NC
 Richardson, Carl Smith, FR, CE, 126 Alex., Box 4121, Te2-9257, 303 South East Ave., Kannapolis, NC
 *Richardson, Charles A., SO, EE, 24 Dixie Tr., Apt. 3, Te3-5637, Box 27, Rockingham, NC
 Richardson, Charles Ernest, FR, CEC, 104 Fourth, Box 3114, Te2-9159, 115 E. Cherry St., Lincolnton, NC
 *Richardson, Clyde Edward, SR, ME, Wilson's Trailer Ct., Rt. 4, Raleigh, Te4-5970, 404 Council St., Thomasville, NC
 Richardson, Hood Lance, FR, GEE, 305 Welch, Box 3265, Te2-9119, Rt. 5, Monroe, NC
 *Richardson, Joel Landrum, GR, TX, 2802 Hillsboro, Raleigh, P.O. Box 1104, Clemson, SC
 Richardson, Marvin Roderick, FR, DN, 815 N. Bionet St., Raleigh, NC, Te2-4273
 Richardson, Robert Glenn Jr., FR, IE, 26 Beeton, Box 3728, Te2-9261, 1007 Delaware Ave., Durham, NC
 Richardson, Theodore George, SR, AED, 106 Horne St., Te2-1887, Rt. 1, Climax, NC
 *Richmond, Thomas Murray Jr., SO, HAC, 123 $\frac{1}{2}$ Park Ave., Raleigh, NC, Te4-3844
 Richmond, William Bruce, SR, ME, 2512 Clark Ave., Te2-4843, P.O. Box 336, Hillsboro, NC
 Richter, John Fritz, JR, NE, 327 Bagwell, Te4-9151, 6188 Belden St., Philadelphia 40, Pa.
 Rickell, Charles Eugene, SO, TC, 3414 Hillsboro, Te3-4808, 9 West 14th St., Frederick, Md.
 Ricks, Fred Gary, Jr., SO, AGE, 331 Bagwell, Box 3397, Te4-9151, Conway, NC
 Riddick, Joe Lanier Jr., SO, MEA, 118 Turl., Box 4215, N. Main St., Scotland Neck, NC
 Ridenhour, Jennings F., SR, TX, 2713 Vanderbilt St., Te2-4916, 419 N. E. Ave., Kannapolis, NC
 *Ridge, Paul Benjamin, SO, CEC, 614 $\frac{1}{2}$ Powell Dr., Te3-8271, Rt. 4, Box 186, High Point, NC
 Ridout, Clarence Benjamin, SO, ZOO, 3135 Stanhope Ave., Raleigh, NC, Te2-8630
 Rierson, Fred Deauane, FR, ME, 138 Alex., Box 4130, Te2-9257, Rt. 1, Tobacloville, NC
 *Riggan, Wilson Buther, 1302 Hillsboro St., Raleigh, 303 Crampton Rd., Waynesboro, Va.
 *Riggs, Robert Dale, GR, PP, Owen, Box 4405, Te4-7807, Warren Springs Rd., Pochontas, Ark.
 Ringsold, Peter Jeffries, SO, WPM, 1710 Hillsboro, Te4-2001, 11 Restory Lane, Scarsdale, NY
 Rink, Donald Eugene, FR, ME, 225 Syme, Box 3557, Te2-9150, 429 N. Main St., Salisbury, NC
 Rirdan, Dennis Patrick, SO, TX, 307 Fourth, Box 3133, Te2-9571, 133 Hamilton Rd., Ridgewood, NJ
 Ritchie, David Jolley, SO, CHE, 322 Bagwell, Box 3378, Te4-9151, 117 W. Depot St., Concord, NC
 Ritchie, Donald Franklin, FR, FMM, 2405 Clark, Te2-6543, 306 7th St., S.W., Hickory, NC
 *Ritchie, William Meredith, SR, TX, 7-A Verville, Raleigh, Rt. 7, Salisbury, NC
 *Ritter, Harold Dean, SO, AG, 1207 $\frac{1}{2}$ Hillsboro, Te3-4081, 115 Green, Robbins, NC
 *Ritter, Wiley Fletcher Jr., AED, 12-C Verville, Robbins, NC
 Rivenbark, Franklin D., JR, AED, 226 Alex., Box 4155, Rt. 1, Box 122, Watha, NC
 *Rivenbark, Rembert Reginald, FR, ME, 310 Bagwell, Box 3376, Te4-9151, Spencer Ave., New Bern, NC
 *Rizek, Robert Leroy, GR, AGC, 3030 Farrior Rd., Va8-2983, Rt. 2, Belleville, Kansas
 Roach, Edward Leon, SO, AED, Alex., Box 4152, Rt. 4, Hayesville, NC
 Roane, Lawrence Hunter Jr., SO, LA, 321 Beeton, Box 3789, Te2-9372, 929 Hawthorne Rd., S.W., Winston-Salem, NC
 Robarge, Ronald William, SO, ME, 316 Tucker, Box 4747, Te4-9739, 2719 Cherokee Lane, Winston-Salem, NC
 Robbins, Donald Haley, JR, FOM, 201 Turl., Box 4232, Te2-9297, 142 S. Main St., Allentown, NJ
 *Robbins, Simon Erskine, JR, EE, 30-B Verville, Raleigh, 1308 S. Franklin St., Rocky Mount, NC

Roberds, James Hall, SO, FOR, 212 Alex., Box 4141, Te4-9746, 167 Varnedoe Ave., Garden City, Ga.
 Roberson, Bernard Gordon, FR, FOR, 113 Bagwell, Box 3313, Te4-9219, Parmele, NC
 *Roberson, Gordon Hale, SOI, 1422 Duplin Rd., Raleigh, NC
 Roberson, Lewis Ross, FR, CE, 101 Bagwell, Box 3301, Te2-9219, Roberson St., Robersonville, NC
 *Roberson, William Clyde Jr., SR, EE, 202 Welch, Box 3250, Te2-9119, Rt. 3, Box 41, Williamston, NC
 Roberson, William Young, JR, MEA, 161 Owen, Box 4452, Te2-9115, Rt. 1, Smithfield, NC
 Roberts, Frederick George, SO, TX, 1710 Hillsboro, Te4-2001, 10 Linda Lane, Darien, Conn.
 *Roberts, James Patton, GR, FOM, 202 Groveland Ave., Va8-2413, 1227 Hillside Rd., Wynnewood, Pa.
 *Roberts, Jerry Allan, SR, EPY & NE, 4-A Vetville, Raleigh, P.O. Box 82, Landis, NC
 Roberts, John Mason, SO, CE, 101 Syme, Box 3501, Te2-9288, Tryon St., Hillsboro, NC
 *Roberts, Thomas F., JR, ME, 116 Montgomery St., Te2-5962, 7 Clairmont Ave., Asheville, NC
 *Roberts, William Franklin, Va8-2209, 705-C Daniels St., Raleigh, NC
 Robertson, Don Spencer, JR, PSC, 115 Woodburn Rd., Te2-2933, Rt. 1, King, NC
 Robertson, Donald Franklin, FR, CE, 250 Tucker, Box 4717, Te2-9387, Joyce St., Stoneville, NC
 *Robertson, Robert Anthony, FR, ME, 3306 Hillsboro, Te2-0601, 309 Arron Dr., Winston-Salem, NC
 *Robertson, Robert V., SR, CE, 7 Maiden Lane, Raleigh, P. O. Box 455, Troy, NC
 Robeson, Robert Isley, JR, ME, 902 W. South, Te2-1722, 325 3rd Ave., S.E., Hickory, NC
 *Robinson, C. Price Jr., SR, IE, 19 Mayview Rd., Te4-6515, Rt. 3, Gastonia, NC
 Robinson, Horace Palmer, JR, CE, 337 Alex., Box 4197, Te2-9349, Littleton, NC
 Robinson, James Leland, FR, IE, 203 Bagwell, Box 3335, Te2-9131, 1210 Poston Circle, Gastonia, NC
 Robinson, Joseph Talmadge, SO, GEE, 51 Owen, Box 4585, Te2-9142, Rt. 1, Gastonia, NC
 *Robinson, Ralph Dwane, SR, CHE, 2943 Winchester Ct., Raleigh, NC, Te4-2097
 Robinson, Ronald Leary, FR, ME, 312 Tucker, Box 4744, Te4-9739, Rt. 4, Lincolnton, NC
 Robinson, Ted Lee, SO, PPT, 207 Watauga, Box 3205, Te2-9132, 323 S. Laurel, Lincolnton, NC
 Rocco, Richard, SO, WCM, 136 Woodburn Rd., 508 4th St., E. Northport, NY
 Rochelle, Neil Edward, SO, CE, 103 Bagwell, Box 3303, Te2-9412, 507 Gattis St., Durham, NC
 *Rochelle, Sonnie Claiborne Jr., 1508 Frank St., Raleigh, 3319 Angier Ave., Durham, NC
 Rock, Bernard Joseph, JR, NE, 1526 Glenwood Ave., Te2-8567, 340 9th St., N.W. Hickory, NC
 *Rodgers, Cynthia Hedge, GR, OIG, 519 Grove Ave., Te2-5206, 629 S. Main, Salisbury, NC
 *Rodgers, James Gordon, SR, IE, 519 Grove Ave., Te2-5206, 721 S. Church St., Salisbury, NC
 Rodgers, Wills Pinkney Jr., JR, TX, 131 Turl., Box 4227, Te4-9279, Franklinville, NC
 Rodri, Joseph Christy, JR, IRR, Bawell, Box 3343, Te2-9131, 14 Bradford Ave., Downingtown, Pa.
 *Roe, Charles Rudy Jr., Wilson Trailer Prk., Te4-5070, Rt. 4, Raleigh, NC
 *Roe, Robert Paul, SR, IE, 919 W. Johnson St., Te2-2464, 330 Biltmore Ave., Asheville, NC
 Roe, Walter Lee, Jr., FR, CHE, 253 Owen, Box 4504, Te2-9410, 2301 Greenway, Charlotte, NC
 Rogers, Annette, SO, E, 2512 Vanderbilt Ave., Te4-8656, 919 St. David St., Tarboro, NC
 *Rogers, Bob Carlton, Va8-2119, 2320 Clark Ave., Raleigh, NC
 Rogers, Bobby Wayne, SO, CE, 2004 Hillsboro, Te2-1881, 203 Apple St., Henderson, NC
 Rogers, Charles Courtney, SR, AI, 105 Owen, Box 4403, Te2-9432, 919 St. David St., Tarboro, NC
 Rogers, Charles Herman, 156 Stedman, NC
 *Rogers, Charles Raymond Jr., SR, FC, 3821 Western Blvd., Raleigh, Rocky Point, NC
 Rogers, George Howard, FR, ARC, 221 Bagwell, Box 3353, Te2-9131, Banbury Cross Rd., Asheville, NC
 Rogers, James Charles, SR, ME, 319 Alex., Box 4182, Te2-9344, Rt. 2, Tabor City, NC
 *Rogers, John Chadwick, JR, EE, P.O. Box 371, Zebulon, NC
 *Rogers, Larry Lynn, SR, TX, 306 Hillcrest Rd., Te2-9813, Lake View, NC
 Rogers, Lonnie Joe, JR, EE, 2 Stadium, Box 4363, Rt. 2, Williamston, NC
 *Rogers, Robert Clayton, SR, ME-IE, 825-C Daniels St., Te4-4914, 4019 S. Main, High Point, NC
 Rogers, Wallace Edward, 2804 Hillsboro, Te2-2654, 55 Dora St., Providence, RI
 Rogers, William Elmore, FR, AED, 117 S. Boylan Ave., Te2-3193, Rt. 1, Box 94, Rocky Point, NC
 Rogers, William Reid, JR, NE, 230 Turl., Box 4258, Te2-9297, 212 Polk, Pineville, NC
 *Rogers, Wyatt Manley, Jr., SR, IA, 623 Kirby St., Te3-1971, Rt. 10, Charlotte, NC
 Rollins, Robert Waitzell, JR, AI, 305 Owen, Box 4521, Te4-9300, Star Rt., Rutherfordton, NC
 Romano, Paul Ernest, FR, CE, 302 Bagwell, Box 3368, Te4-9151, 158 Bradford St., Bristol, RI
 Romeo, Paul Albert, FR, E, 330 Tucker, Box 4761, Te4-9737, Rt. 2, Box 133-C, Summerville, SC
 Rood, Harry SR, NE, 701 N. Blount St., Te4-4193, 214 N. Cedar St., Greensboro, NC
 *Rooks, Robert Graham, SR, CE, 2344 Grant Ave., Te4-5005, Rt. 4, Whiteville, NC
 Roper, Douglas Gaw, FR, IRR, 265 Owen, Box 4516, 3665 Compa Rd., Westport, Conn.
 Roper, William Lawrence, JR, EE, 340 Alex., Box 4199, Te2-9349, P.O. Box 18, Engelhard, NC
 Rose, Bennett Smedes, FR, FOR, 314 Alex., Box 4177, 15 Mt. Vista Ave., Greenville, SC
 Rose, Charles Richard, FR, CE, 230 Becton, Box 3764, Te2-5334, Rt. 2, Newton Grove, NC
 *Rose, David Jephtha, SR, IA, 1861 W. Smallwood Dr., Te2-0085, 1101 Sunset Ave., Rocky Mount, NC
 Rose, Donald Leon, JR, EE, 308 Horne St., Te2-7050, 4607 3rd St., N. Arlington, Va.
 Rose, Herbert Charles Jr., SR, MEA, 2513 Clark, Box 5656, Te2-0208, 1008 Jenkins St., Lumberton, NC
 Rose, Paul Cedric, FR, ME, 324 Bagwell, Box 3390, Rt. 3, Goldsboro, NC
 Rose, Paul Frederick, SO, TX, 1720 Hillsboro, Te4-0451, Valley Rd., Oakland, NJ
 Roseman, Clarence Edgar Jr., SO, CE, 259 Owen, Box 4510, 934 8th St., N.E., Hickory, NC
 Rosenstell, Robert Eugene, FR, CHE, 119 Owen, Box 4414, Te2-9437, 2810 Chestnut St., Wilmington, NC
 Rosenthal, TX, 127 Forest Rd., Te2-4816, P.O. Box 427, Littleton, NC
 Roseveare, Robert William, SR, CE, 204 Owen, Box 4461, Te2-9410, 200 Pineview Dr., Greenville, NC
 Ross, Ernest Lewis, SR, PPT, Sigma Chi House, Box 5665, Te3-4522, Oakland Dr., Cleveland, Tenn.
 Ross, John Riley Jr., SO, ME, 1710 Hillsboro, Te4-2001, 1406 N. Pasture St., New Bern, NC
 Ross, Kenneth Lee, SR, EE, 227 Alex., Box 4156, 410 Burns Ave., Charlotte, NC
 *Ross, Ned Moses, GR, AGP, P.O. Box 638, Cary, NC, Ho7-3261, Rt. 4, Burlington, NC
 Ross, Owen Boyd, SO, IE, 226 Tucker, Box 4697, Te2-9387, 1132 Greenwood Ct., Charlotte, NC
 Roten, Doine, JR, FOM, 3107 Hillsboro, Raleigh, Idelwild, NC
 Roth, Robert Theodore, SO, ARC, 1408 Hillsboro, Te2-2262, 437 W. Main, Elkin, NC
 Rothrock, Phillip Marion, JR, ME, 2220 1/2 Hillsboro, Raleigh, Rt. 5, Winston-Salem, NC
 Rothrock, Thomas Hardy Jr., JR, EE, Te4-6981, 1312 Wake Forest Rd., Raleigh, NC
 Roughton, Ronald Gil, JR, MEA, 116 Watauga, Box 3016, Te2-9447, 1008 Ehringhaus, Elizabeth City, NC
 Rountree, James Oliver, SO, CE, 3 Becton, Box 3805, Te2-9261, Rt. 2, Ahoskie, NC
 *Rountree, Ralph Marion, SR, ME, 532 N. Wilmington St., Te2-8803, Rt. 1, Gates, NC

Rouse, Franklin Arthur, SO, CE, Fourth, Box 2137, Rt. 4, Kinston, NC
 *Routh, Siomy J., JR, CE, Te2-7255, 312 E. Jones St., Raleigh, NC
 Rowe, Billy Kerley, SO, SOI, 147 Owen, Box 4438, Te2-9437, Rt. 4, Louisburg, NC
 Rowe, Daniel Guy III, SO, CHE, 261 Tucker, Box 2728, Te2-9312, 509 7th Ave. N.W., Hickory, NC
 *Rowe, Kenneth Eugene, GR, ST, GN, 311 Georgetown Rd., Te2-5159, 311 Georgetown Rd., Raleigh, NC
 Row, Michael Bruce, JR, IE, 2512 Clark, Te2-4843, 1265 6th St., N.W., Hickory, NC
 Rowe, Walter Elliott, SO, ME, 210 N. Harrington St., Raleigh, NC
 Rowell, Ford Clarence, SO, IRR, 58 Tucker, Box 4808, Te2-9186, 311 Paul St., Rocky Mount, NC
 Rowland, Philip W., FR, ME, 303 Alex., Box 4169, Mocksville, NC
 Rowland, Silas McD., FR, CE, 15 Becton, Box 3817, Te2-9261, Rt. 2, Halifax, NC
 Roy, Donald Henry, SR, NE, Te2-9660, 113 Hudson, Raleigh, NC
 *Royal, Mack Carter, FR, EE, 105 Syme, Box 3550, P.O. Box 26, Godwin, NC
 Royal, Stephen Douglas, FR, EE, 231 Becton, Box 3765, Te2-9334, P.O. Box 246, Salemburg, NC
 Royall, Richard Miles, FR, ARC, 107 Syme, Box 3507, Te2-9288, 543 W. Main St., Elkin, NC
 *Royster, L. H. SR, MEA, 1217 Kent Rd., Raleigh, NC
 Royster, Robert Lee, JR, AGE, Alex., Box 4110, Te2-9257, Buffalo Junction, Clarksville, Va.
 Royster, Robert Samuel Jr., SR, IA-TO, 222 Hillcrest Rd., Te2-3429 3166 Bougainville Dr., Tarawa Terr., NC
 *Rozett, Robert, GR, CHE, C-201 Boylan Apts., Raleigh, NC
 Rozier, Carlton Rudolph, FR, TXC, 234 Bagwell, Box 3366, Baker St., Lumberton, NC
 *Ruaneisiri, Chalong, UN, 314 E. Hargett St., 352/1 Rama VI Rd., Bangkok, Thailand
 Rubie, Bobby Irwin, SO, FOR, 4 Syme, Box 3600, Te9-2421, 717 N. Chestnut St., Aberdeen, NC
 *Rudd, Harry Charles Jr., FR, EE, T3A, Cameron Court Apts., Te4-8064, Raleigh, NC
 Rudisill, Edwin Murray Jr., SO, MED, 218 Owen, Box 4473, Te2-9410, 710 S. Neil, Gastonia, NC
 Rudisill, Forest David, JR, EE, 2209 Hope St., Te4-3244, 402 S. Grove St., Lincolnton, NC
 Rudisill, George Albert, 220 Syme, Box 3552, Te2-9150, 600 Central Ave., Charlotte, NC
 *Ruehle, John Leonard, GR, PhD-PP, 730 Powell Dr., Rt. 1, Box 129, Homestead, Fla.
 Ruff, Carl Gladford Jr., JR, EE, 3 Stadium, Box 4348, Te4-9803, Lake Lure Rd., Mill Spring, NC
 Ruland, Ross Rogers, JR, CHE, 250 Tucker, Box 4717, Te2-9387, 1434 Rosewood, Lakewood 7, Ohio
 *Rummage, Paul Edward, JR, ME, 920 Tower St., Box 2313, Te2-9066, 147 Park Ave., Mooresville, NC
 Rummier, Donald Robert, JR, CE, 103 Chamberlain St., Raleigh, NC, Te3-6901, 607 3rd St., Cheraw, NC
 Rundbakew, Leon Allen, SR, PPT, 130 Hawthorne Rd., Raleigh, 521 W. 189 St., New York, NY
 *Rupard, Denver Winifred, SR, CE, 267 Owen, Box 4517, Te2-9410, Rt. 5, Box 122A, Statesville, NC
 Rush, Benjamin Christopher, JR, MEA, 127 Syme, Box 3527, Te2-9283, Star, NC
 Rush, Harris Fleming, FR, EE, 1 Berry, Box 4334, Te2-9350, 1510 Fairway Rd., Asheboro, NC
 Russ, Clarence Michael, SO, AED, 233 Turlington, Box 4260, Te2-9192, Box 176 Shallotte, NC
 Russ, Kenneth Eugene, SR, CE, 313 New Bern Ave., Te3-8234, Rt. 2, Burgaw, NC
 Russell, Charles Edwin, FR, AED, 219 Bagwell, Box 3351, Te2-9131, Box 235, Jamesville, NC
 Russell, Charles I., SO, TX, 1720 Hillsboro St., Te4-0451, Box 595, Troy, NC
 *Russell, Jesse Kessler, JR, WPM, 5-E Vetville, Te4-8372, Raleigh, NC
 Russell, Norman Arnold, SO, FOR, 634 New Rd., Te2-3200, Raleigh, NC
 Ruzicka, Milton John, SO, HAC, 225 Alexander, Box 4154, Te4-9746, Long Island City 3, NY
 Ryan, David Wallace, JR, TX, 264 Tucker, Box 4731, Te2-9387, Rt. 8, Greensboro, NC
 *Sabiston, Larry Thomas, SO, ARC, 131 Syme, Box 3517, Te2-9288, 401 Sherwood Rd., Jacksonville, NC
 Saffer, Henry Walker, GR, TC, 130 Hawthorne Rd., Te4-7325, 20-27 Seagirt Blvd., Far Rockaway, NY
 Safrit, Edgar Vernon, Jr., JR, CHE, 1620 Hillsboro, Box 3-9531, 711 N. Caldwell, Salisbury, NC
 *Sagaro, Mario, PR, ARC, 22-D Vetville, Te4-1476, 30 Hicks St., Brooklyn, NY
 Saied, Tommy Anthony, JR, CE, 7 Enterprise St., Te4-0435, 414 W. 4th, Greenville, NC
 Sain, William Carlos, JR, EE, 302 Turlington, Box 4267, Te2-9192, 1001 8th St., Statesville, NC
 Salem, Mahmoud Hussein, GR, FOR, School of Forestry
 Sales, Junius Lee, Jr., JR, HRT, Horticulture Dept., Rt. 6, Box 64, Asheville, NC
 Salih, A. B. Dulmalik, SR, FOM, Box 5753, Ana, Iraq
 Salisbury, Robert Earl, SO, CHE, 227 Turlington, Box 4255, Te2-9297, 903 McTeer Cr., Mossy Oaks Park, Beaufort, SC
 Salter, Luther Carlton, JR, NE, 120 Woodburn, Te3-5560, 1217 York, Sheffield, Ala
 Samet, Norman Gilbert, JR, CEC, 304 E. Park Dr., Te3-0453, 300 Edgedale Dr., High Point, NC
 Samover, John W., SO, NE, 329 Bagwell, Box 3395, Te4-9151, 428 Rollingwood Cir., Fayetteville, NC
 Sample, Hugh DeArmond, SR, TX, 3402 Hillsboro, Te3-4808, 2210 Walker, Greensboro, NC
 Samples, James Lewis, SO, EE, 224 Becton, Box 3758, Te2-9334, Rt. 3, Box 120, Hickory, NC
 Samuels, James Donald, SO, CE, 212 Bagwell, Box 3344, Te2-9131, 1201 Filbert, High Point, NC
 Sanchez, Carlóstadio, GR, S, 356 Williams Hall, Calle 3-A, 14E-71, Cali, Valle, Columbia
 Sanders, Graham Hodge, JR, IE, 2400 Delta Dr., Box 5543, 110 Griffin St., Elizabeth City, NC
 Sanders, John Dixon, FR, CE, Owen, Box 4446, Te2-9115, Box 477, Southport, NC
 *Sanders, John Walton, Jr., JR, CE, 11 Dixie Tr., Te2-3206, Raleigh, NC
 Sanders, Ralph Longwell, Jr., GR, NE, 2645 St. Mary's, Te4-0414, 311 N. Tacos Ave., Chattanooga, Tenn
 *Sanders, Theron Vester, SR, AED, 924 N. Boylan Ave., Te2-0018, Rt. 1, Bailey, NC
 Sanders, William Ferrell, Jr., JR, EE, 1720 Hillsboro, Te4-0451, 48 Henderson, Badin, NC
 Sanderson, Charles LeRoy, FR, CHE, 231 Owen, Box 4486, Te2-9252, Holly St., Erwin, Tenn
 Sanderson, Durwood Allen, FR, IA, 104 Welch, Box 3240, Te2-9119, Box 136, Rt. 1, Morehead, NC
 *Sanderson, William Rivers, JR, AED, L-3-B Cameron Cts., Raleigh, NC
 *Sane, Charles Elbert, JR, AED, 1317 1/2 Dale, Raleigh, Rt. 3, Rutherfordton, NC
 Santord, Claude William, JR., SO, CE, 127 W. Park Dr., Te3-6671, 419 First St., Laurinburg, NC
 Sanford, Lonnie Thomas, FR, E, Owen, Box 4434, Te2-9115, 3528 Draper Ave., Charlotte, NC
 Sanghvi, Kishor Gopaldas, SO, TX, 305 Owen, Te4-9836, Govardhan Baug, Bombay, India
 Sargent, Frank D., GR, AI, 115 Polk Hall, Rt. 7, Concord, NH
 Sasser, Edward Rhone, JR, AED, 201 Owen, Box 4458, Te2-9410, Rt. 1, Hallsboro, NC
 *Sasser, George Colon, JR, CE, 1508 Frank St., Rt. 2, Goldsboro, NC
 Sasser, Preston Eugene, JR, AGE, 127 W. Park Dr., Te3-6671, Rt. 2, Dover, NC
 *Sasser, Robert Carroll, FR, ARC, 1307 Beaver Dam Dr., Te3-9478, Raleigh, NC
 Satterfield, Benton Sato, SR, ABC, 407 W. Park Dr., Te2-2963, Raleigh, NC
 Sauls, James, Jr., SO, AED, 111 Alexander, Box 4109, Te2-9257, Rt. 1, Warsaw, NC

Saunders, Carl Horace, Jr., FR, ME, Owen, Box 4413, Te2-9437, Rt. 1, Elon College, NC
 Saunders, David Leroy, JR, TX, 125 Tucker, Box 4636, Te2-9388, Rt. 6, Box 631, Charlotte, NC
 *Saunders, Harvey Ralston, SO, EE, 519 E. Jones, Te2-6006, Raleigh, NC
 Saunders, James Calvin, SO, ME, 127 W. Park Dr., Te2-6671, Rt. 1, Rockingham, NC
 Saunders, Martha Drucella, JR, ARC, 2207 Hope, Te2-6666, Rt. 1, Sanford, NC
 *Savage, Robert Garner, 400 Chamberlain St., Raleigh, NC
 Savage, Ronald Lewis, JR, IRR, Becton, Box 3701, Te2-9256, 515 S. Main, Chincoteague, Va
 Sawyer, George E. J., SR, FOM, 125 Hawthorne Rd., Te2-1183, 410 South St., Murray Hill, NJ
 Sawyer, Gordon Edward, FR, AG, 221 Alexander, Box 4150, Te4-9746, Box 358, Elizabeth City, NC
 Sawyer, Jerry Albert, SO, NE, 115 Hawthorne, Te4-3854, Rt. 2, Box 331, New Bern, NC
 Sawyer, Robert Franklin, SR, EE, 21 Enterprise St., Te2-7840, Rt. 3, Elizabeth City, NC
 Sax, Charles S., PR, ARC, 112 Cox Ave., Te2-3960, 2070 Harrison Ave., New York 53, NY
 Scanlon, David Howard III, JR, FOR, 118 Hillcrest Rd., 1011 Homer St., Durham, NC
 Scarborough, Beaman Harris, SR, IATO, 333 Becton, Box 3801, Te2-9372, Wilson Ave., Wendell, NC
 Scarborough, Paul Eugene, JR, JR, EE, 127 W. Park Dr., Te3-6671, 930 Restmore Lane, Statesville, NC
 Scarborough, Robert Kenneth, JR, IATO, 202 Bagwell, Box 3334, Te2-9131, Rt. 7, Box 592, Greensboro, NC
 *Scarpa, Frank Salvatore, JR, CE, 19 E. Dixie Dr., Te4-4017, Raleigh, NC
 *Schabinger, John Robert, GR, AI, 1419 Lutz Ave., Te3-9541, 8104 — 19th Pl., Adelphi, Md
 Schaub, Sandra, SO, EMA, 119 Brooks Ave., Te3-6428, Box 218, Apex, NC
 Scheld, Herbert William, Jr., SO, FOR, 231 Tucker, Box 4702, Te2-9150, Rt. 6, Statesville, NC
 Schiff, Mark Richard, JR, TC, 304 E. Park Dr., Te2-7638, 55 Lawrence St., New Hyde Park, NY
 *Schmid, Frederick Hampton, SO, MEA, Pine Lake Trailer Park, Rt. 7, Raleigh, 328 Hamilton St., Roanoke Rapids, NC
 *Schofield, James Ray, SR, EE, Te3-2128, Rt. 1, Cary, NC
 Scholl, Charles Edwin, FR, EE, Box 95, Tel 61M, Varina, NC
 Schoonmaker, Marc Price, FR, MEA, 205 Berry, Box 4312, Burlington, NC
 Schram, Samuel Paul, SO, AED, 201 Chamberlain, Te2-1143, Rt. 2, Belhaven, NC
 Schrum, Forrest Franklin, Jr., GR, TC, 207 Fourth, Box 3125, Te2-9159, 602 W. 8th St., Newton, NC
 *Schrum, Vernon J., JR, IA, 3821 Western Blvd., Box 5053, 823 E. Alexander, Lincolnton, NC
 Schulz, William Andrew, Jr., JR, PPT, 2512 Clark Ave., Te2-4843, 7940 Gilmore Rd., Hamilton, Ohio
 Schultz, Gary Charles, SO, PPT, 1710 Hillsboro, Te4-2001, 1341 Shaftsbury Rd., Dayton, Ohio
 Schuster, Robert, JR, TX, 304 E. Park Dr., Te2-7638, 1588 Leslie St., Hillsdale, NJ
 Schwartz, Gilbert, FR, EE, 321 Tucker, Box 4752, Te2-9323, 12 Van Houten, Jersey City, NJ
 *Schweitzer, Samuel, GR, AGE, 2713 Rosedale Ave., Box 5906, Raleigh, NC
 *Schweyer, Herbert English, GR, UN, 1879 W. Smallwood Dr., Te3-7500, 1115 N. W. 13th Ave., Gainesville, Fla
 Sciarretta, James Ronald, SO, IRR, 220 Alexander, Box 4149, Te4-9746, Rt. 1, Box 171, Rochester, Pa
 Seism, John Avery, JR, AG, 307 Bagwell, Box 3373, Te4-9151, Rt. 1, Kings Mountain, NC
 Scott, Alvin Eugene, FR, EE, 226 Syme, Box 3552, Te2-9150, Rt. 1, Mt. Airy, NC
 Scott, Arthur Alexander, Jr., SR, CE, 1720 Hillsboro, Te4-0451, 1315 Fairmont St., Greensboro, NC
 Scott, Augustus Donald, SO, IED, 216 Hillcrest Rd., Te3-4993, Currie, NC
 Scott, Bobby Gene, SO, PPT, 1200 Becton, Box 3720, Te2-9256, 1019 3rd St., Spencer, NC
 Scott, David Burgess, SO, ME, 1906 1/2 Hillsboro, Rt. 2, Denton, NC
 Scott, David Jenkins, SR, IA, 509 Adams St., Te2-0169, Rt. 1, Box 165, Warrenton, NC
 Scott, Donnie Lee, FR, ME, 128 Turlington, Box 4225, Te4-9279, 2424 Ivey Ave., Winston-Salem, NC
 Scott, Frederick Myers III, JR, MTE, 2513 Clark Ave., Box 5656, Te2-0268, 406 Woodland St., Jacksonville, NC
 Scott, Garland Elmo, Jr., FR, NE, 148 Tucker, Box 4655, Te2-9367, Box 416, Pineville, NC
 *Scott, George Walter, JR, MEA, 12 Enterprise St., Te4-3353, 307 W. Fearing St., Elizabeth City, NC
 Scott, Jesse Hobbs, Jr., SO, PPT, 322 Bagwell, Box 3388, Te4-9151, Box 243, Franklin, Va
 Scott, John Guerdar, FR, ME, 205 Berry, Graham, NC
 Scott, Leo Rhem, SO, NE, 207 Alexander, Box 4138, Te4-9746, Rt. 2, New Bern, NC
 Seagle, Muri Everdell, Jr., SO, FOR, 221 Turlington, Box 4249, Te2-9297, Box 304, Cherryville, NC
 Seago, James Malachi, SO, TC, 234 Bagwell, Box 3366, Box 231, Salisbury, NC
 Seagraves, Harold O'Neil, SO, CE, 65 Tucker, Box 4815, Te4-9254, Rt. 3, Box 199, Concord, NC
 Seamon, Walter Ramon, SR, EE, 158 Tucker, Box 4665, 214 W. Gilbreath St., Graham, NC
 Searcy, Donald Bruce, JR, EE, 3 Stadium, Box 4348, Te4-9503, Rt. 1, Mill Springs, NC
 *Searls, Donald Turner, GR, EST, 1615 Van Dyke Ave., Te4-3896, Raleigh, NC
 Sears, James Matthew, SO, EE, Rt. 1, Tel. 452-R-1, Varina, NC
 Seawell, Arnold Willard, Jr., SO, TX, 304 Hillcrest, Box 56, Aberdeen, NC
 Seay, Faset Joaquin, SO, ARC, 312 Berry, Box 4332, Te2-9363, Box 336, Bryson City, NC
 Seay, Robert Thomas, JR, EE, 207 Berry, Box 4314, Te2-9334, Box 336, Bryson City, NC
 Sechler, William Ralph, Jr., SO, GEE, 13 Stadium, Box 4358, Te4-9803, 8th Newton, NC
 Sechrist, John Rogers, JR, CHE, 58 Owen, Box 4592, Te2-9142, 226 Vance, Lexington, NC
 *Seders, Donald Adolphus, SO, IA, 212 Becton, Box 3746, Te2-9334, 2 Ruffin, Coolemees, NC
 Seegers, George Samuel, FR, CHE, 3 Becton, Box 3805, Te2-9261, 1239 Greenwood Ave., Charlotte, NC
 *Seese, Roy Allen, SO, IRR, Rt. 6, Laurel Hills, Te4-4949, 3014, Graham, Windber, NC
 Seitz, Robert Philip, SR, TX, 308 Bagwell, Te4-9151, 12 Harding Ave., Oaklyn, NJ
 Selden, Charles Wallace III, SO, FOM, 2601 Clark Ave., Te2-8631, 5310 Tuckahoe Ave., Richmond, Va
 Self, George Dewey, Jr., JR, ME, 63 Owen, Box 4597, Te2-9142, 307 Lawson St., Leaksville, NC
 *Self, Maynard Lowell, AI, 109 Park Ave., Rt. 1, Caesar, NC
 Self, Ostia Ralph, 2220 Hillsboro, Rt. 3, Siler City, NC
 *Sell, James Milton, SR, CHE, 2325 McMullan Cir., Raleigh, NC
 Sellers, Mitchel Wayne, SO, TX, 202 Tucker, Box 4675, Te2-9312, Box 901, Rockingham, NC
 *Sequeira, Avilino, Jr., FR, CHE, 706 Powell Dr., Te2-1422, 95 Liberty St., Biltmore, NC
 Sessoms, William Rea, Jr., FR, MEA, 336 Tucker, Box 4766, Te2-9323, Colerain, NC
 *Seth, Jagdish, GR, FC, 210 Gold, Box 3222, Te2-9263, 149 Civil Lines, Bareilly, U. P., India
 Settlemeyer, Charles Phillip, SR, MEA, 2512 Clark Ave., Te2-4843, 306 Ann. Kannapolis, NC
 Setzer, George Edward, SO, CE, 353 Tucker, Box 4780, Te4-9739, 1116 Tipton St., High Point, NC
 *Setzer, Ward Leaverne, JR, CE, 10-E Vetteville, Te2-9117, Rt. 3, Lenoir, NC
 Sevier, James Montraville, SO, ME, 204 Berry, Te2-9363, Box 4311, 84 Erwin St., Asheville, NC
 Sewell, John Ike, GR, MSAE, 303 Gold, Box 3227, Te2-9263, Rt. 2, Cave Springs, Ga

*Sewellyn, Joe Clint, JR, CEC, 113 Syme, Te2-9288, 2828 Edwards St., Winston-Salem, NC
 Sexton, Jimmy Allen, SO, EE, 11 Maiden Lane, Box 11, Te4-9431, Lansing, NC
 Seymour, John Leon, SO, NE, 217 Syme, Box 3549, Te2-5190, Box 863, Southern Pines, NC
 *Shaffer, Harold Alden, Jr., SO, WT, 2902 Everett Ave., Raleigh, NC
 Shafique, Mohammed, GR, NE, 1308 Glenwood Ave.
 Shah, Ashok R., SR, TX, 3011 Hillsboro, Box 5808, 95 B Marine Dr., Bombay 2, India
 Shain, Bonnie, SR, NE, 310 Welch, Box 3270, Te2-9119, 1405 Grace, Wilmington, NC
 Shakarji, George Monofan, SR, ST, 5214 Western Blvd., 7032 Pembeske, Detroit, Mich.
 Shannon, Charles Richard, FR, NE, 212 Syme, Box 3544, Te2-9150, 803 W. Church, Laurinburg, NC
 Shannon, Vinson Kirk, Jr., SO, PPT, 101 Owen, Box 4401, Te4-7807, Box 627, Sylva, NC
 Shaps, Spencer Nelson, FR, TX, 304 E. Park Dr., Te3-0453, 224 E. 93 St., Brooklyn, NY
 Sharber, William Garland, FR, FOR, 221 Alexander, Box 4150, Te4-9746, Rt. 3, Box 602, Elizabeth City, NC
 Sharpe, Boyd Idamus, SO, AED, 118 Becton, Box 3718, Te2-9256, Box 41, Sharpsburg, NC
 Sharpe, William Norman, Jr., SO, ME, 103 Chamberlain, Te3-6901, Rt. 3, Box 182, Chapel Hill, NC
 Shaver, Thomas Warren, Owen, Box 4478, Te2-7410, Rt. 2, Albemarle, NC
 Shaw, Archie Ward, SR, FC, 306 Fourth, Box 3132, Te2-9159, Box 63, Evergreen, NC
 *Shaw, Ray Caudle, SO, EE, 3114 Douglas St., Te3-8529, Rockingham, NC
 Shaw, Robert Frank, FR, CHE, 238 Tucker, Box 4708, Te2-9387, 2011 Morganton Rd., Fayetteville, NC
 *Shaw, Wesley Edward, JR, CE, 120 Hillcrest Dr., Te2-6383, Lancaster Ave., Monroe, NC
 Shaw, William Kenneth, FR, IA, 304 Hillcrest Rd., Te2-4683, Raleigh, NC
 *Shaw, Wilma Graye, SR, ABC, 103 Enterprise St., Te2-7652, 811 Hay St., Fayetteville, NC
 Shealy, Lemuel Darr, Jr., JR, TX, 1508 Hillsboro, Te2-6153, 114 Highland Ave., Thomasville, NC
 *Sheard, Joe Harry, GR, NE, Box 5431, Te3-9874, Box 1514, Shreveport, La
 Shearin, Edwin Arthur, SO, EPY, 240 Turlington, Box 4298, Te2-9192, 40 Bloomfield Ave., Winston-Salem, NC
 *Shearin, Walter Lee, Jr., SR, WPM, 23-E Vetville, 414 Madison, Roanoke Rapids, NC
 *Shearin, William Arthur, GY, Box 237, Cary, NC
 Shearman, Samuel Matlack III, FK, AG, 325 Tucker, Box 4756, Te4-9739, 118 Wellington Ave., Short Hills, NJ
 Shearon, Hubert Raines, Jr., SO, EE, 212 Syme, Box 3544, Te2-9150, Box 126, Varina, NC
 Shearon, Ronald Wilson, FR, AED, 127 Alexander, Box 4122, Te2-9257, Rt. 2, Wake Forest, NC
 Shedd, Joel Price, FR, ME, Owen, Box 4568, Te4-9300, 4633 Rockwood Pkwy., Washington, DC
 Sheek, Alton Jackson, SO, DM, 182 Woodburn Rd., Te3-0083, Rt. 1, Advance, NC
 *Shelfield, Dewey Baird
 Shelby, Stephen Long, FR, FMM, Becton, Box 3707, Te2-9256, 1016 5th Ave., N. W., Hickory, NC
 *Shelton, James Edward, GR, S, 2338 McMullan Cr., Raleigh, NC
 Shepard, William Truman, SO, FOR, 314 Alexander, Box 4177, Te2-9349, Rt. 2, Weaverville, NC
 *Shepherd, James Edward, Jr., JR, ME, F-10 Raleigh Apts., Lewisville, NC
 Shepherd, Marshall Monroe, Jr., SR, HRT, New Greenhouse, Hort. Dept. Ext. 418, 704 Clement Ave., Charlotte, NC
 Shepherd, Roger Carroll, FR, EE, 151 Tucker, Box 4658, Te2-9367, 2333 Cornwallis Dr., Greensboro, NC
 Shepherd, William Ford, SO, EE, 138 Owen, Box 4432, Te2-9115, Lansing, NC
 Sher, Horace Joel, FR, NE, 202 Syme, Box 3534, Te2-9150, 407 Forest, Durham, NC
 *Shermer, Allen Vance, SR, IA, 1104 Parker, Te2-2571, Rt. 2, Yadkinville, NC
 Sherrill, John Russel, Jr., FR, ARC, 305 Bagwell, Box 3371, Te4-9151, Ridgefields, Rt. 4, Kingsport, Tenn
 Sherrill, Robert Taylor, FR, ME, 241 Tucker, Box 4711, Te2-9387, 124 Elm St., Mooresville, NC
 Sherron, Jim Kemp, Jr., JR, IRR, Bagwell, Box 3343, Te2-9131, Rt. 2, Fuquay Springs, NC
 Shi, Samuel Robert III, 232 Owen, Box 4487, Te2-9410, 1209 Belvedere, Gastonia, NC
 *Shields, Coy Edgar, JR, CEC, 2700 Cartier Dr., Te3-2224, 636 N. Peace Haven Rd., Winston-Salem, NC
 Shields, Randall Gray, FR, EE, 217 Alexander, Box 4146, Te4-9746, 1109 Ada Ave., Winston-Salem, NC
 Shih, Haueh Yad, Box 3206, Raleigh, NC
 Shillinglaw, Robert Tracy, SO, ME, 355 Owen, Box 4566, Te2-9464, 3 American Way, Asheville, NC
 *Shingleton, Austin Brooks, SO, AG, 630 N. Blount, Te2-6247, Stantonsburg, NC
 Shinn, Thomas Sadler, Jr., FR, EE, 252 Tucker, Box 4719, Te2-9387, 11 Rosewood Ave., Asheville, NC
 Shirley, Charles Payne, FR, FMM, 107 Becton, Box 3707, Te2-9256, 436 2nd Ave. N. W., Hickory, NC
 Shirley, Lemuel Marion, Jr., JR, NE, 2515 Clark Ave., Te2-3906, Raleigh, NC
 Shipley, John Lincoln, SO, EE, 328 Bagwell, Box 3394, Te4-9151, 401 Houghton, Williamston, NC
 Shipman, Robert Francis, Jr., SR, EE, 241 Owen, Box 4495, Te2-9410, 3000 Marlborough Rd. W., Charlotte, NC
 Shipp, Clarence Fowler, Jr., SO, CEC, 308 Horne St., 421 Lafayette, Clinton, NC
 Shoemaker, George Gary, FR, NE, 313 Berry, Box 3222, Te2-9363, 3 Totten, Fort Bragg, NC
 Shoffner, Joe Egbert, FR, ME, Owen, Box 4430, Te2-9115, Box 123, Alamance, NC
 *Shofor, Merriman Staton, JR, EE, 112 Cox Ave., Te3-5150, 2318 Markham Ct., Charlotte, NC
 *Shook, Charles Robert, SR, ME, 605½ N. Boundary St., Te4-4523, Raleigh, NC
 Shook, James Gill, SO, FMM, 218 Turlington, Box 4246, Te2-9297, 611 10th St., N. Wilkesboro, NC
 *Shores, Paul Wesley, JR, EE, Pinelake Trailer Park, Rt. 7, Raleigh, 1508 16th St., Greensboro, NC
 Short, Timothy Henson, FR, FMM, 9 Becton, Box 3811, 1010 Bridges, High Point, NC
 Short, William Thomas, FR, Tucker, Box 4801, Te2-9186, Rt. 2, Box 202, Henderson, NC
 Shotton, Douglas, Randall, SO, CE, 3414 Hillsboro, 604 Riverview, Suffolk, Va
 *Show, Charles P., 623 Daniels St., Raleigh, NC
 *Shuaib, Muhammad, GR, FC, 130 Woodburn Rd., Depalpur, Dist. Montgomery, West Pakistan
 *Shuford, Charles Hunt, SR, TX, 2612 Clark Ave., Te4-6905, Country Club Rd., Hickory, NC
 Shuford, Maurice James, FR, CEC, Owen, Box 4548, Te4-9300, Barnardsville, NC
 Shumate, Stewart Thomas, Jr., 251 Owen, Box 4502, Te2-9252, 400 C. St., Cherryville, NC
 *Sidbury, Melvin Dean, SR, ME, 913 New Bern Ave., Va8-2004, Hamstead, NC
 Sideris, John Nicholas John, SO, CHE, 3205 Hillsboro, Te2-1284, 202 Contentree, Greenville, NC
 Sideris, John Nicholas John, JR, MEA, 902 W. South, 202 Contentree, Greenville, NC
 Sideris, Xen N., SR, IE, 1109¼ Cowper Dr., Te2-6734, 202 Contentree, Greenville, NC
 Siegle, Richard Gibbons, FR, ME, 114 Becton, Box 3714, Te2-9256, 2234 Glenn Ave., Winston-Salem, NC
 Siegrist, Edward Joseph, Jr., GR, ME, 207-B Park Ave., 520 Mayworth Cir., High Point, NC
 Siewert, Charles Edward, SO, NE, 15 Stadium, Box 4360, Te4-9803, 3714 Moody Ave., Richmond, Va
 *Sifford, Ralph Gene, SR, HAC, 26-F Vetville, Rt. 3, Salisbury, NC

Sigmon, Arville Jenkins, JR. AGE, 104 Welch, Box 3240, Te2-9119, Newton NC
 *Sigmon, Bryce, SR, EE, 1415 Beaver Dam Dr., 300 Elm, Greenville, NC
 *Sigmon, Harvey William, SO, EE, 127 W. Park Dr., Te3-6671, 113 Fisher Rd., Brevard, NC
 Sigmon, Ned Alan, FR, ME, 157 Owen, Box 4448, Te2-9115, Rt. 3, Box 287, Hickory, NC
 Sillan, Pierre G., SO, TX, 206 Bagwell, Box 3338, Te2-9131, Stonybrook Rd., Westport, Conn.
 Silver, Lawrence Allen, FR, TX, 348 Owen, Box 4559, Te4-9300, 184-34 Tuor Rd., Jammica, NY
 Simbeck, Jon Ed., FR, IRR, 319 Owen, Box 4562, Te4-9836, 715 Howard Ave., DuBois, Pa
 Simmons, Clyde Edward, SO, GEE, 327 Owen, Box 4542, Gastonia, NC
 Simmons, Curtis Theodore, FR, AG, Becton, Box 3704, Te2-9256, Rt. 1, Albertson, NC
 Simmons, Eugene Murray, Jr., SO, MAG, 231 Turlington, Box 4259, Te2-9297, Rt. 1, Enfield, NC
 Simmons, Gerald Dwight, SR, MAG, 107 Berry, Box 4307, East. 348, Box 127, Albertson, NC
 Simmons, Hugh Edison, SR, TX, 324 Tucker, Box 4755, Te2-9739, 289 16th Ave. N. E., Hickory, NC
 Simmons, Preston Eugene, FR, FMM, Turlington, Box 4235, Te2-9297, Country Club Rd., Troy, NC
 *Simmons, Robert Curtis, SR, FOM, 35 Bagwell Ave., Raleigh, NC
 Simons, Robert Harris, SR, EE, 130 Hawthorne Rd., Te4-7325, 723 Yorkshire Rd., Winston-Salem, NC
 Simpler, Malcolm Glenn, Jr., JR, ME, 6 Ferndell La., Te2-2265, Rt. 5, Box 856, Charlotte, NC
 Simpson, James Dudley III, SO, GEE, 2636 Oberlin, Te4-4066, Raleigh, NC
 Simpson, John Alva, SR, IE, 201 Alexander, Box 4133, Rt. 4, Oxford, NC
 Simpson, Robert William, FR, NE, 225 Tucker, Box 4696, Te2-9387, 602 E. Donaldson Ave., Raeford, NC
 Simpson, Taliaferro S., FR, EE, 320 Turlington, Box 4282, Te2-9192, 1328 Greenwood Cliff, Charlotte, NC
 *Sims, Joseph Ivan, SR, IE, 33-F Vetville, Te4-9664, 325 N. Ellis St., Salisbury, NC
 Sinclair, James Hinton, FR, EPY, 309 Owen, Box 4526, Te4-9300, Box 251, Rowland, NC
 Singer, Benjamin Felix, TX, Box 5702, P. O. B. 6003, Haifa, Israel
 *Singh, Har Swarp, GR, AGC, 308 Gold, Box 3232, Te2-9263, Chitsona-Alpur, Dt Bulandshahr, U. P. India
 Singletary, William Warren, SO, CE, 363 Tucker, Box 4790, Te2-9323, Box 67, Rowland, NC
 Singleton, John Graham, FR, CE, Tucker, Box 4687, Te2-9387, Rt. 1, Box 256, Washington, NC
 Singleton, Richard Milton, FR, EE, 212 Bagwell, Box 3344, 115 E. View St., Morganton, NC
 Singleton, Robert Edmund, SO, EMA, 15 Henderson, Te2-4281, Raleigh, NC
 Sink, Henry Rodney, JR, ME, 230 Owen, Box 4485, Te2-9252, Rt. 3, Thomasville, NC
 *Siriwan, Saowanit, UN, AG, 2705 Van Dyke, Te2-3843, Bangkok, Thailand
 Sisk, Kenneth N., JR, HAC, 2314 Hillsboro, Te3-4106, 288 White Pine Dr., Asheville, NC
 Sisler, Edward Carroll, GR, BO, 8 Ferndall La., Te2-1755, Friendsville, Md.
 *Sistare, Vann Matthews, JR, ME, 612 N. Blount, Te4-1660, 2049 Greenway, Charlotte, NC
 Sittin, Harry Arnold, SO, IE, 332 Syme, Box 3596, Te2-9222, 347 Sand Hill, Asheville, NC
 Sizemore, Neavous Columbus Jr., SO, ME, 8 Rosemary, Te2-9665, 511 W. 8th, Winston-Salem, NC
 Skireds, Othman, MTF, 238 Alexander, Box 4164, Te4-9746, Ferme Gandein, Par Tadujdate, Morocco.
 *Skoglev, Earl Otis, GR, S, 1008 Carlton Ave., Te4-4263, Raleigh, NC
 Slack, Richard Eugene, FR, IE, 322 Alexander, Box 4185, Te2-9349, 355 E. Ohio Ave., Southern Pines, NC
 Slaughter, Wilson Allen Jr., SO, DH, 219 Bagwell, Box 3351, Te2-9131, Blanch, NC
 *Slydon, John Franklin, Jr., SR, EE, 4-F Vetville, Te3-7227, 813 Carter, High Point, NC
 *Sloan, Donald Alfred, JR, ME, 1508 Frank, Rt. 1, Olin, NC
 *Sloan, Marvin Kenneth, SR, HAC, 25-A Vetville, Te2-9290, 105 N. 10th St., Erwin, NC
 Sloan, Richard Clemence, SR, CE, Box 5111, Rt. 1, Mt. Ulla, NC
 Sloop, Craven Monroe Jr., SO, MEA, 220 Bagwell, Box 3352, Te2-9131, 1608 Sumter, Charlotte, NC
 Sloop, Kenneth Mitchell, JR, EE, 148 Tucker, Box 4655, Te2-9367, Rt. 1, Harrisburg, NC
 Slossman, Frederick Norman, FR, TX, 124 Becton, Box 3724, Te2-9256, 7 Northwood Rd., Asheville, NC
 Small, Daniel, FR, E, Tucker, Box 4750, Te2-9388, 2510 Yates Ave., Bronx, New York, NY
 Small, Howard Gordon Jr., SR, S, 224 Alexander, Box 4153, Te4-9756, Fair Bluff, NC
 Smart, David Robertson, FR, EE, 153 Tucker, Box 4660, Te2-3967, 523 S. Sec. Ave., Siler City, NC
 Smart, Harold Joseph, FR, TX, 303 Owen, Box 4520, Te4-9836, North Main, Draper, NC
 *Smathers, James Burton, GR, NE, 2320 Clark, Va8-2036, Raleigh, NC
 Smathers, Robert Luther, SO, PPT, 2209½ Hope, Box 5171, Te4-3244, Box 643, Candler, NC
 Smathers, Sam Taylor, JR, WPM, 222 Hillcrest Rd., Te2-3429, Rt. 1, Canton, NC
 Smith, Alfred Greer, SO, ME, 205 Fourth, Box 3123, Rt. 5, Kinston, NC
 *Smith, Archie Hugh, JR, FMM, E-2 Shelton Apts., Rt. 2, Mill Spring, NC
 Smith, Charles Darwood, FR, NE, 212 Owen, Box 4468, Te2-9410, 705 E. 4th St.,
 Smith, Charles Hall Jr., SO, TX, 167 Tucker, Box 4673, Te2-9388, North Garden, Marion, NC
 Smith, Charles Harrison Jr., SR, AG, 118 Turlington, Box 4215, Te4-9278, 604 N. Church, Scotland Neck, NC
 Smith, Charles Ross, FR, ME, 314 Becton, Box 3782, Te2-9372, 122 S. 3rd, Albemarle, NC
 *Smith, Charles Waverly, FR, EE, 3110 Raymond St., Raleigh, NC
 *Smith, Charles Wesley, SR, EE, 31-A Vetville, Te4-8047, Raleigh, NC
 Smith, Charles William, SR, TX, 15 Eagwell, Te4-0485, Midland Way, Laurinburg, NC
 Smith, Chris Allison, SO, ARC, 309 Syme, Box 3573, Te2-9222, 234 Beamon St., Clinton, NC
 Smith, Craig J., JR, HAC, 54 Tucker, Box 4804, Te4-9254, 1131 Pee Dee Ave., Albermarle, NC
 Smith, Danny G., FR, NE, 611 N. East St., Te3-2598, Raleigh, NC
 Smith, David Albert, JR, DH, 2100 Hillsboro, Te4-6094, Rt. 9, Lexington, NC
 Smith, David Lee, JR, FMM, 301 Tucker, Box 4734, Te2-9329, 506 W. Green, High Point, NC
 Smith, Drayton Lendell Jr., JR, ME, 116 Watauga, Box 3016, Te2-9447, 830 Lowder, Albemarle, NC
 Smith, Drexel Kermit, SO, ME, 107 Fourth, Box 3117, Rt. 4, Kinston, NC
 Smith, Duane Gordon, SR, TX, 112 Turlington, Box 4209, Te4-9279, Rt. 3, Box 250, China Grove, NC
 Smith, Duncan Stewart, SO, AG, 160 Tucker, Box 4667, Te2-9367, Rt. 1, Maxton, NC
 Smith, Earl Terry, SO, MEA, 2209½ Hope, Te4-3244, 618 2nd St., Hamlet, NC
 *Smith, Edgar Williams, SR, CHE, 2702 Hillsboro, Te2-1835, 1500 Audubon Rd., Charlotte, NC
 *Smith, Edward Ray, GR, FOR, 2300 Lyon, Raleigh, NC
 Smith, Edward Russell, FR, EE, 22 Stadium, Box 4367, Kinston, NC
 Smith, Eugene Edward, JR, JE, 1710 Hillsboro, Te4-2001, 905 Lakeview St., Greensboro, NC
 Smith, Faison Delano, SO, AG, 2226 Hillsboro, Te3-1140, Box 5, Albertson, NC
 Smith, Frank Houston Jr., FR, EE, 2506 Stafford Ave., Te2-6798, Raleigh, NC
 *Smith, Frederick William, JR, ME, Apt. B 1, Wilmont Apt., Hillsboro St., Raleigh, NC
 *Smith, Gaston Franklin Jr., SR, CEC, 6-A Vetville, Va8-2087, 29 Le-An-Hurst Rd., Asheville, NC
 Smith, Glendon Carlyle, FR, EE, 114 Alexander, Box 4111, 837 S. Main, Kannapolis, NC

*Smith, Gordon L., JR, MEA, 3414½ Hillsboro, 809 Circle Dr., High Point, NC
 Smith, Harold Dennis, FR, MEA, 67 Owen, Box 4600, Te2-9142, Rt. 1, Box 25, Hodges, SC
 Smith, Henry LeRoy, FR, CEC, Bagwell, Box 3361, Te2-9131, 206 E. Lewis St., Whiteville, NC
 Smith, Howard Wade, SO, CE, 308 Owen, Box 4525, Rt. 2, High Point, NC
 Smith, James Hilliard Jr., FR, CE, 334 Beeton, Box 3802, Te2-9372, 112 N. Daisy, Goldsboro, NC
 Smith, James Holt, SO, FOR, 2209½ Hope St., Box 5171, Te4-3244, 209 W. Ashe, Lenoir, NC
 *Smith, James Irvin, JR, AL, 5655 Western Blvd., Te3-0977, 316 Forest Hill Ave., Winston-Salem, NC
 Smith, James Kenneth, FR, ARC, 314 Turlington, Box 4276, Box 215, Hamlet, NC
 *Smith, James Leroy, JR, NE, 18-B Vetville, 530 E. Delaware Ave., Southern Pines, NC
 *Smith, James Wayland, GR, AI, 2705 Kilgore, Te3-8801, Raleigh, NC
 Smith, Jerry Alan, SO, 128 Turlington, Box 4225, Te4-9279, Box 43, Lenoir, NC
 *Smith, Jimmie Lee, SR, AI, Box 5224, Te3-5312, Rt. 6, Winston-Salem, NC
 Smith, John David, SO, CEC, 362 Tucker, Box 4789, Te2-4582, Rt. 1, Leaksville, NC
 *Smith, John Knox, SO, ARC, 2700 Bedford Ave., 5240 7ct. So., Birmingham, Ala.
 Smith, John Wesley, GR, OIG, 112 Watauga, Te2-9447, Ash, NC
 Smith, John William, SO, AED, 302 Beeton, Box 3770, Te2-9372, Rt. 1, Fountain, NC
 Smith, Johnny Barto, FR, HAC, 67 Owen, Box 4600, Te2-9142, 4 Gottchee, Eustis, Fla.
 Smith, Larry Baxter, SO, CE, 313 Syme, Box 3577, Te2-9222, Marshville, NC
 *Smith, Larry Eugene, SO, NE, 303 Park Ave., Te2-1525, 436 McRae Dr., Fayetteville, NC
 Smith, Lathan Junior, SO, AG, 8 Stadium, Box 4353, Te3-9803, Rt. 1, Trontman, NC
 Smith, Lester Andrew, SO, WCM, 221 Tucker, Box 4692, Te2-9387, Rt. 3, Kernersville, NC
 Smith, Max Gale, SO, CE, 59 Tucker, Box 4809, Te2-9186, Rt. 6, Winston-Salem, NC
 Smith, Nancy Lee, Teacher,
 Smith, Reuben Talmage, Jr., FR, EMA, 301 Tucker, Box 4734, Te2-9323, 251 S. Elm, Asheboro, NC
 *Smith, Richard Francis, JR, CE, 303 Forest Rd., 1017 Cedar St., Roanoke Rapids, NC
 Smith, Robert Poland Jr., UN, GS, 2504 Vanderbilt Ave., Va8-2944, Penbrote C., Edenton, NC
 Smith, Robert Edward, FR, ME, 320 Alexander, Box 4183, Fayetteville, NC
 Smith, Robert Glen Jr., SR, TX, 15 Bagwell, Te4-0485, 310 Midland Way, Laitinburg, NC
 *Smith, Robert Graham, Box 33, Cary, NC
 Smith, Robert Jones, FR, EE, 248 Tucker, Box 4715, Te2-9387, 177 Lakeshore Dr., Asheville, NC
 Smith, Robert Lynn Jr., SO, EE, 132 Syme, Box 3532, Te2-9288, 1518 Lexington, Greensboro, NC
 Smith, Ronald Aden, FR, EE, 251 Owen, Box 4502, Te2-9252, 827 Spencer Mtn. Rd., Gastonia, NC
 Smith, Ronald Ellis, FR, CE, 113 Beeton, Box 3713, Te2-9256, 530 E. Ridge St., Rocky Mount, NC
 Smith, Roy Marvin, SR, EE, 43 Owen, Box 4579, Te2-9142, Rt. 1, Marshville, NC
 *Smith, Sue E., (Mrs.) GR, UN, E-2 Shelton Apts., Raleigh, NC
 Smith, Thomas Edwin Jr., SO, MEA, 116 Bagwell, Box 3316, Te4-9219, Carbondon Rd., Sanford, NC
 Smith, Thomas Nicholls, FR, MEA, 226 Bagwell, Box 3358, Te2-9131, 303 Watson St., Windsor, NC
 Smith, Tillman Byrd, SO, EE, 2510 Vanderbilt Ave., Te2-1606, Rt. 2, Fuquay Springs, NC
 Smith, William Alfred, FR, CE, 317 Owen, Box 4532, Te4-9300, Rt. 2, Box 154, Asheville, NC
 *Smith, William Carter, GR, RS, 827 Jones Ave., Te4-0540, Raleigh, NC
 Smith, William Clay, SO, TC, 121 Turlington, Box 4218, Te4-9279, Spindale, NC
 Smith, William David, 101 Fourth, Box 3111, Te2-9159, Asheboro, NC
 Smith, William Edward IV, 12 E. Stadium, Box 4357, Te4-9803, 405 S. Pineview, Goldsboro, NC
 Smith, William Marvin, JR, S, 2718 Clark Ave., Box 2718, Te2-6451, Rt. 1, Selma, NC
 Smith, Woodley Kendall, SO, CE, 205 Fourth, Box 3123, Rt. 1, Deep Run, NC
 Smitherman, James Samuel Jr., FR, MEA, Turlington, Box 4233, Te2-9297, Russell, Troy, NC
 Smoak, William Sandifer, JR, IE, 201 Tucker, Box 4674, Te2-9387, 802 Green, Pusham, NC
 *Smoot, William Verlin, Apt. 32-A Vetville, Raleigh, NC
 Smyth, Eugene Leo Jr., SR, TX, 2512 Clark Ave., Te2-4843, 18 Cary Rd., Great Neck, NY
 Sneed, Ronald Ernest, SR, AGE, 101 Tucker, Box 4617, Te4-3488, Rt. 3, Oxford, NC
 Snell, Wilson Maurice, JR, ME, 107 Watauga, Box 3007, Te2-9407, 2415 Weddington Ave., Charlotte, NC
 Snipes, Julian Brooks, FR, IE, 325 Syme, Box 3589, Te2-9222, 210 Hillsboro, Pittsboro, NC
 Snyder, Barbara Louise, FR, CHE, 1321 Brooks Ave., Te2-0059, 2328 Barry St., Charlotte, NC
 *Snyder, Charles Edwin, SR, ME, 625 Kirby St., Rt. 4, Winston-Salem, NC
 Snyder, Daniel Holland, FR, FOR, 208 Jones Franklin Rd., Te3-5282, Raleigh, NC
 Snyder, Glenn Hinson, SO, MEA, 2 Berry, Box 4335, Te2-9350, 1021 W. 4th St., Charlotte, NC
 Snyder, Herman Pressley, FR, CE, 315 Owen, Box 4530, Te2-9464, 110 Crawford, Monroe, NC
 Snyder, Howard Franklin, JR, 102 Gold, Box 3202, Te2-9263, Rt. 6, Sanford, NC
 Soffel, Jean Byron, FR, FOR, 201 Syme, Box 3546, Te2-9150, 689 Ridgewood Rd., Oradell, NJ
 Solomon, Michael Davis, JR, TX, 304 E. Park Dr., Te2-7638, 278 Dover St., Brooklyn 35, NY
 Somers, William Frank, FR, NE, 52 Tucker, Box 4802, 100 Spainhour, Morganton, NC
 Somerville, Donald Harvey, JR, EE, 104 Dixie Tr., Te2-3558, Box 161, Plymouth, NC
 *Soots, Robert Franklin Jr., JR, WCM, 24-A Vetville, Te4-3004, Midland, NC
 Sorrell, F. Yates, SO, MEA, 327 Turlington, Box 4289, Te2-9192, Box 247, Wadesboro, NC
 *Sorrell, Winfred Arthur, Box 215, Clayton, NC
 *Sorrels, Jack Otho, JR, TX, 520 Polk St., Te4-3500, Raleigh, NC
 *Sorrels, William Pickens, SR, EM, 204 Park Ave., Te2-6769, Raleigh, NC
 *Southerland, Charles Rebert, SR, CEC, 2152 Mayview Rd., Te4-1194, 405 Linwood Ave., Goldsboro, NC
 Souza, Richard Verney, SR, EE, 2719 Kilgore Ave., 2239 Baywood Dr. W., Dunedin, Fla.
 *Spaine, Lawrence Franklin, 3112 Edgewood Ave., Richmond, Va.
 Spahr, Lawrence Edward, JR, TX, 100 Faculty St., HO7-2121, Carr, NC, Rt. 3, Bristol, Va.
 Spangler, Ray Warlick, FR, CE, 122 Bagwell, Box 3322, Rt. 5, Shelby, NC
 Spann, James Woodrow, SR, WCM, 251 Tucker, Box 4718, Te2-9387, Box 74, Trenton, NC
 Sparrow, Glenn Michael, SO, IE, 2410½ Van Dyke, Barclay, Chapel Hill, NC
 *Sparrow, Raymond J., SO, DN, Rougemount, NC
 Sparrow, Thomas Glenn, JR, TX, 1328 Filmore, Te4-2249, Rt. 3, Gastonia, NC
 Speigh, Edwin Parker, SO, CEC, 220 Beeton, Box 3754, Te2-9336, Sunburst, NC
 Speizman, Lawrence Jay, SR, TX, 304 E. Park Dr., Te3-0453, 425 Colville Rd., Charlotte, NC
 Spence, Ernest Phillip, SO, GSED, Rt. 1, Va8-2180, Raleigh, NC
 Spence, George Broughton, JR, FC, 2718 Clark Ave., Te2-6451, Rt. 1, Lillington, NC
 Spence, James Thomas, SO, MAG, 2601 Clark Ave., Te2-8631, Rt. 1, Pink Hill, NC

Spence, James Thornwell, FR, CHE, 204 Becton, Box 3738, Te2-9334, 1600 Cornwallis, Greensboro, NC
 Spence, Robert Lee, FR, E, 2400 Delta Dr., Rt. 3, Elizabeth City, NC
 *Spencer, Alton Kinsley Jr., UN, AG, 1915 Clark Ave., Te2-5929, Creswell, NC
 Spencer, Charles Edward, FR, CE, 2609 Hazelwood, Te3-2140, Raleigh, NC
 Spencer, Clifford Edward, FR, ME, Alexander, Box 4135, Te2-9746, Rt. 2, Newton, NC
 *Spencer, Donald Lewis, FR, CE, 307 N. Bloodworth, Te4-3993, Rt. 2, Trinity, NC
 Spencer, Roger Allen, SO, AED, 236 Tucker, Box 4706, Te2-9387, Swan Quarter, NC
 Spencer, Thomas Darrell, GR, IA, 127 W. Park Dr., Te3-7761, 12 Hillside Dr., Lexington, NC
 Spencer, William Lewis, FR, CHE, 208 Owen, Box 4465, Te2-9410, 510 S. Oak St., Gastonia, NC
 Spiers, Joseph Knight, JR, MEA, 338 Horne, Te2-7050, Rt. 3, Tarboro, NC
 Spinello, Anthony Gerald, JR, GEE, 218 Syme, Box 3550, Te2-9050, 102-12 St., Brooklyn, NY
 *Spink, William Thomas, GR, ENT, UK 42 Vetville, Ent. 384, 7351 S. W. 14th St., Miami, Fla.
 Spitz, Leonard, SR, TX, 304 E. Park Dr., Te2-9638, 66-40 108 St., Forest Hills, NY
 Spitzer, Morton Edward, UN, ED, 301 Gold, Box 3225, 32 E. 96th St., Brooklyn 12, NY
 Spivey, Ronald Chris, SO, AED, 21 Stadium, Box 4366, Te4-3803, Box 294, Chadbourn, NC
 *Spofford, George Edsow, JR, IE, 2359 Bernard St., Te4-0677, Raleigh, NC
 Spoon, Donald George,
 Spradley, Charles Benjamin, FR, ME, 307 Tucker, Box 4740, Te4-9739, 402 Pinkney St., Whiteville, NC
 Springle, Robert Marion, TX, 1027 W. South, Te3-1249, Raleigh, NC
 Sprinkle, John Alexander Jr., JR, EE, 115 Hawthorne Rd., Te4-3854, Rt. 1, Box 307, Winston-Salem, NC
 Sprinkle, Wesley Edward, FR, FOR, Owen, Box 4443, Te2-9115, Rt. 2, Statesville, NC
 Sproles, Charles Albert, FR, IE, 311 Welch, Box 3271, Te2-9119, Smth St., Balfour, NC
 *Spyhsalcis, Edward James, GR, ENT, 2300 McMullan Cir., Te4-4608, Raleigh, NC
 Stack, David Moore, FR, TX, 264 Tucker, Box 4733, Te2-9387, 223 E. Glendale, Mt. Holly, NC
 *Stadler, Thomas Richard, SO, ME, 109 Park Ave., Te2-5888, Rt. 2, Box 13, Elon College, NC
 Stafford, Donald Bennett, FR, CE, Owen, Box 4535, Te4-9300, Rt. 1, Kernersville, NC
 Stafford, Jack Dwayne, JR, CHE, 222 Hillcrest Rd., Te2-3429, 910 Hornson St., Princeton, W. Va.
 Stainback, Raymond Franklin Jr., SR, ARC, 2525 Grant Ave., Te4-6022, Raleigh, NC
 Stainback, William Carey, SO, CHE, 331 Syme, Box 3595, Te2-9222, Rt. 1, Youngsville, NC
 Stainback, William Loren, SR, MED, 111 Watauga, Box 3011, Te2-9447, Oak St., Henderson, NC
 Staleop, William Eugene, SO, CE, 323 Owen, Box 4556, Te4-9836, Brasstown, NC
 *Stall, Nelson Byrd, FR, NE, Hardin Rd., Rt. 1, Cary, NC, 1229 23rd St., Newport News, Va.
 Stallings, David Warren, SO, MEA, 301 Becton, Box 3769, Te2-9372, 112 June St., Thomasville, NC
 *Stallings, Donald, JR, MEA, 127 Becton, Box 3727, Te2-9256, Rt. 1, Maysville, NC
 Stallings, Kenneth Gordon, FR, NE, 211 Turlington, Box 4239, Te2-9297, Wilson, NC
 *Stallings, Maurice Ronald Jr., SO, CE, 1808 Bethesda Ave., 66813, Durham, NC
 Stallings, Robert William, FR, ARC, Welch, Box 3272, Te2-9119, RFD, Stantonburg, NC.
 Stamey, David Milton, FR, WCM, 102 Syme, Box 3502, Te2-9288, Polkville, NC
 Stamey, Margaret Barnes, 345 Bryan, Raleigh, NC
 Stancil, James Armistice, FR, EE, 359 Tucker, Box 4789, Te2-9323, Box 96, Hoffman, NC
 *Stancil, William Daniel, SR, IA, 113 Becton, Box 3713, Te2-9256, 305 Charlotte St., Rocky Mt., NC
 Stanford, Charles Herbert Jr., FR, IE, 101 Welch, Box 3237, Te2-9119, Box 255, Liberty, NC
 Stanford, Gary Lloyd, SO, EE, 330 Owen, Box 4595, Te4-9300, Box 402, Sylva, NC
 Stanford, William R., IE, 208 Welch, Box 3256, Te2-9119, Box 255, Liberty, NC
 Stanley, Bobby Neal, JR, FC, 220 Tucker, Box 4691, Te2-9387, Rt. 1, Box 3, Clarendon, NC
 Stanley, William Franklin, SO, IC, 2 Becton, Box 3608, Te2-9261, 1906 West Rd., Dinston, NC
 Stanton, Charles Lewis, SO, EE, 228 Owen, Box 4483, Te2-9410, 1206 Oakmont Ave., Greensboro, NC
 Stanton, John Edward, FR, RES, 217 Turlington, Box 4245, Te2-9297, 425 Kismet St., Carnegie, Pa.
 Starnes, Milton S., FR, ME, Becton, Box 3721, Te2-9256, Rt. 1, Hudson, NC
 *Starr, Hal Eugene, SR, EE, 12-E Vetville, 32-34th St. N. W., Hickory, NC
 Stearns, Cecil Emit Andre, FR, ME, 2214 St. Mary's Te2-1688, Raleigh, NC
 Steed, Joe David Jr., FR, AED, 240 Owen, Box 4494, Te2-9252, Box 155, Candor, NC
 Steele, Garland Florance, SO, ME, 330 Syme, Box 3594, Te2-9222, 313 Alamance, Gibsonville, NC
 Steelman, Charles William, JR, FC, 305 Brooks Ave., Box 5563, Te3-4549, Rt. 2, Leicester, NC
 Stegall, Harold Alton, FR, IRR, 253 Tucker, Box 4720, Te2-9384, Rt. 1, Warrenton, NC
 Stegall, Luther Earl, JR, CE, Owen, Box 4527, Rt. 1, Warrenton, NC
 *Steinborne, Joseph Alfred, 1023 W. South St., Raleigh, NC
 *Steorts, Ronald Carter, SO, IE, 2160 Mayview Rd., 500 N. Stratford Rd., Winston-Salem, NC
 *Stepanovich, George, SO, IRR, 223 Turlington, Box 4251, Te2-9297, 4028 Deodar, E. Chicago, Ind.
 *Stephens, Chester Lee Jr., Pine Lake Trailer Ct., Rt. 7, Raleigh, NC
 Stephens, Gerald Clyde, SO, IE, 330 Alex., Box 4193, Te2-9349, Liberty, NC
 Stephens, James Albert, 5701 Waycross, Te3-4405, Raleigh, NC
 Stephens, Milton James Jr., JR, NE, 133 Owen, Box 4428, Te2-9115, 209 East F, Erwin, NC
 *Stephenson, Alton Parker, SR, IA, Rt. 3, Te4-5118, Raleigh, NC
 Stephenson, Charles Warren, SR, TX, 7 Enterprise, Te4-0435, 100 Park Dr., Oxford, NC
 Stephenson, Graham Brady, FR, ME, 60 Tucker, Box 4810, Te2-9186, 627 E. State St., High Point, NC
 Stephenson, James Caldonian, SO, CE, 2005 Glenwood, Te2-4459, Raleigh, NC
 Stephenson, John Whitaker Jr., GR, NE, 405 W. Aycock, Te2-7630, Raleigh, NC
 Stephenson, Leonidas Dacosta, SR, NE, 714 Nash Dr., Te3-8337, Raleigh, NC
 Stevens, Jerry Hughes, FR, CE, 1416 Dixie Tr., Te3-3733, Raleigh, NC
 Stevens, John Franglin, FR, TX, 227 Alexander, 508 E. G St., Erwin, NC
 *Stevens, Larry, SO, NE, 52 Tucker, Box 4802, Te2-9186, 1005 Deepwood Ct., Winston-Salem, NC
 Stevens, Thomas Byron, SO, CEC, 227 Alexander, Box 4156, Te2-9746, 509 E. G, Erwin, NC
 Stevens, William Earl, SO, CE, 1416 Dixie Tr., Te3-3733, Raleigh, NC
 Stevenson, James McMillin, JR, ARC, Stadium, Box 4352, Te4-9803, Box 514, Henderson, NC
 Steppe, Kenneth Edward, SO, PPT, 3414 Hillsboro, Te2-4808, 2029, Pochahontas, Lynchburg, Va.
 *Sterren, John Gregory, IE, 1051 Nichols Dr., Te4-9494, Raleigh, NC
 Stewart, David Ronald, FR, CE, 239 Tucker, Box 4709, Te2-9387, 5 Westchester Dr., Asheville, NC
 Stewart, George Colon, FR, AED, 135 Alexander, Box 4128, Te2-9297, Marners, NC
 Stewart, Harold Grady, SO, EE, 60 Tucker, Box 4810, Te2-9186, Rt. 1, Mt. Ulla, NC
 Stewart, James Carl, FR, EE, 116 Bagwell, Box 3316, Te4-9219, 5023 Allen Rd. E., Charlotte, NC

*Stewart, James Eugene, SO, CE, 506 Lansing St., Te3-6143, Raleigh, NC
 Stewart, John Gilliam, FR, MEA, Bagwell, Box 3330, Te2-9131, 1016 W. Sherwood Ave., Gastonia, NC
 *Stewart, Paul Richard, SR, GEE, 2820 Everett Ave., Box 491, Spruce Pine, NC
 Stewart, William Thomas, JR, ME, 101 N. Boylan Ave., Te2-3650, 314 Bradley St., Burlington, NC
 Stickney, Richard Hulse, 226 Forest Hill Dr., Asheville, NC
 Stiles, Richard Mack, FR, CEC, 61 Owen, Box 4595, Te2-9142, 120 Cottage Pl., Charlotte, NC
 Stimson, Lloyd Kit, FR, EE, 325 Tucker, Box 4756, Te4-9739, 20 Knight St., Milford, N. H.
 *Stinchcomb, John William, FR, IRR, 358 Tucker, Box 4785, Te4-9739, 1005 Unity, Thomasville, NC
 Stine, Harry Ellsworth Jr., GR, IPS, 2703 Clark Ave., Te3-1493, 2008 Glen Ross Rd., Silver Springs, Md.
 *Stines, Billy Junior, 3821 Western Blvd., Rt. 2, Dallas, NC
 Stines, Eugene Howard, FR, MEA, 222 Syme, Box 3554, Te2-9150, 140 Fairview Ave., Biltmore, NC
 *Stinnett, Charles Nelson Jr., JR, ME, Rt. 4, Avents Ferry Rd., Box 735, Canton, NC
 Stinson, E. Lynn, FR, NE, 108 Horne, Te3-5452, Raleigh, NC
 *Stirewalt, Glenn Edward, JR, EE, 2319 Grant, Raleigh, NC
 Stockard, Ralph R., FR, EE, 339 Tucker, Box 4769, Te2-9362, 410 Albright Ave., Graham, NC
 Stoker, Lindell Fene, FR, NE, 330 Becton, Box 3798, Te2-9372, 108 Ludlow, Albemarle, NC
 *Stone, Albert E. Jr., JR, CE, 4201-B Reavis Rd., Va8-2223, Raleigh, NC
 Stone, Charles Arnold, FR, ME, 336 Owen, Box 4550, Te4-9836, 132 Salisbury, Kernersville, NC
 *Stone, Donald Ray, FR, AI, 3200 Hillsboro, Rt. 2, Middlesex, NC
 *Stone, Floyd A., 34-F Vetville, 25 Orange, Asheville, NC
 Stone, Gerald David, SR, CE, 218 Hillcrest Rd., Te3-4280, 405 Dock St., Wilmington, NC
 *Stone, James Kenneth Jr., FR, EE, 24 Dixie Tr., Raleigh, NC
 Stone, Larry Mitchell, FR, ENG, 309 Bagwell, Box 3375, Te4-9151, Rt. 7, Sanford, NC
 Stone, Louis Howard, FR, FOR, 223 Becton, Box 3757, Te2-9334, 704 E. Blvd., Charlotte, NC
 *Stone, Paul Samuel, GR, AGC, UK-4 Vetville, Rt. 1, Louisburg, NC
 Stone, Ray Edwin, SR, EE, 302 Welch, Box 3262, Te2-9119, Rt. 4, Box 47, High Point, NC
 *Stone, Richard Parks, SR, CEC, Rt. 4, Wilson's Tr., Pk., Rt. 5, Box 669, Charlotte, NC
 *Stoneypher, Roy Wesley, JR, FOM, 5-DVetville, Te4-5377, Raleigh, NC
 Story, James Allen, SO, HAC, 2513 Clark, Box 5656, Te2-0268, 122 Underdown, Lenoir, NC
 Stotesberry, Ralph Bennie, SO, ME, 303 Bagwell, Box 3369, Te4-9151, Rt. 2, Chester, Va.
 Stott, Charles Raymond, JR, EE, 359 Owen, Box 4570, Te4-9300, Wendell, NC
 *Stout, Kenneth Franklin, SR, TX, 140 Alexander, Box 4132, Te2-9257, 1040 Albemarle Rd., Asheboro, NC
 *Stout, Roy Glendon, 2325 Grant Ave., Te2-0957, Copen, W. Va.
 Stout, Stephen Early, Rt. 4, Box 77, Durham, NC
 Stout, Thomas Calvin, FR, FMM, 147 Tucker, Box 4654, Te2-9388, 202 Longview, High Point, NC
 Straass, Frank, SR, TX, 120 Hawthorne Rd., Te4-7525, 130-70-225 St., New York, NY
 Strader, Ralph Grayson, 603½ Dixie Tr., Raleigh, NC
 Stradley, Thomas Francis Jr., JR, ME, 313 Alexander, Box 4176, Te2-9349, 504 Bixham Rd., Pitts-
 burgh, Pa.
 *Street, Fred Jr., SR, AGC, 412 Church St., Fuquay Springs, NC, Buladean, NC
 *Strickland, Edward Gleanon, JR, EPY, 132 Woodburn Rd., Te3-0083, 908 Bloont St., Lumberton, NC
 *Striver, David Lewis, GR, PP, UK 37 Vetville, Raleigh, NC
 *Stromsoe, William Robert, JR, IE, 2320 Oxford Rd., Te2-1707, 1810 Perry, Wilmington, NC
 Strong, Lewis Moore, FR, ME, 2714 Cooleene Dr., Te3-9064, Raleigh, NC
 Stroup, Daniel Bruce, SO, AG, 28 Tucker, Box 4699, Te2-9387, Box 34, Waco, NC
 Stroupe, Michael Albert, SO, EE, 9 Tucker, Box 4809, Te2-9186, Rt. 1, Bessemer City, NC
 Strum, Jackie Benjamin, JR, TX, 313 Syme, Te2-9222, Morgan, Roxboro, NC
 Strum, William Lee, JR, ME, 241 Owen, Box 4495, Te2-9252, Rt. 3, Box 12, Rocky Mt., NC
 Stuart, Billy Eugene, JR, AGE, 229 Bagwell, Box 3361, Te2-9131, Rt. 1, Angier, NC
 *Stuart, Karl D., SR, ARC, 13 Glenwood Ave., Te2-3560, Raleigh, NC
 *Stuart, Ray Thornton, JR, CEC, 4-G Vetville, Va8-2075, Raleigh, NC
 Sturges, Conrad Boyd Jr., FR, ME, 123 Becton, Box 3723, Te2-9256, 2216 Elgin Rd., Winston-Salem, NC
 Sturgill, Jack Carroll, JR, FOM, 1501 Benehan, Te4-0271, 1265 Ramsey St., Norton, Va.
 Styche, William Frank, FR, ED, Alexander, Box 4154, Box 87, Buena Vista, Pa.
 Styron, Bobby Wayne, FR, EE, 312 Tucker, Box 4744, Te4-9739, Stacy, NC
 *Styun, Neel J., Raleigh, NC
 Suear, Fuheh Sucor,
 Sugg, Benjamin Montague, Jr., SO, CE, 332 Syme, Box 3596, Te2-9222, 213 W. Lenoir, Kinston, NC
 Sugg, Thomas, SO, AED, 317 Syme, Box 3581, Te2-9222, Rt. 2, New Bern, NC
 *Suggs, Charles Wilson, GR, AGE, Rt. 4, Te4-0400, Walnut Trail, Raleigh, NC
 Sullivan, Bryan Edwin, FR, E, 318 Tucker, Box 4749, Te4-9739, Rt. 1, Box 35, Bath, NC
 Sullivan, Gene Autry, SO, IRR, 126 Owen, Box 4421, Te2-9437, Rt. 3, Selma, NC
 *Sullivan, Jack Houston, JR, MEA, 30-E Vetville, Te2-9219, Raleigh, NC
 *Sullivan, James Harold, 208 Dixie Tr., 179 Norfolk Ave., Boston 19, Mass.
 Sullivan, Robert Emmett, SR, NE, 118 Syme, Box 3518, Te2-9288, Box 5101, Raleigh, NC
 Sullivan, Victor Thaddeus, FR, E, 212 Tucker, Box 4684, Te2-9387, 255 Lumberton Ave., Carolina
 Beach, NC
 *Summer, Thomas Larry, JR, FOR, 233 Becton, Box 3767, Te2-9334, 305 S. Elm St., Cherryville, NC
 Summerlin, Lyman Earl, JR, ME, 109 Oberlin Rd., Te4-1547, Box 249, Jamestown, NC
 Summerville, Kenneth Osborn, SR, FOM, 2100 Hillsboro, Te4-6094, Rt. 5, Box 578, Charlotte, NC
 Summey, William Jenkins, FR, AG, 243 Owen, Box 4496, Te2-9252, Rt. 1, Dallas, NC
 Sumner, Leon Bruce, JR, FOM, 2314 Hillsboro, 114 Houston St., Asheville, NC
 Sumner, Paul Jerry, SO, EE, 227 Syme, Box 3554, Te2-9150, Rt. 2, Randleman, NC
 Suphanich, Kobkiat, FR, AE, 16 Pahurad Rd., Bangkok, Thailand
 Sutcliffe, Raymond Sampson Jr., FR, AG, 132 Syme, Box 3532, Te2-9288, 3600 Old Vineyard Rd.,
 Winston-Salem, NC
 Sutton, Albert Clinton, SO, AG, 116 Owen, Box 4411, 201 Cumberland, Asheville, NC
 *Sutton, Charles Jerry, SR, AED, 304 Watauga, Box 3040, Te2-9132, Rt. 2, Franklin, NC
 *Sutton, Donald Morris, SR, WCM, 14 Maiden Lane, Box 1734, Charlotte, NC
 Sutton, Henry Dewey, SO, CE, 3 Becton, Box 3505, 501 Summit Ave., Kinston, NC
 Sutton, James Alton, FR, EE, 314 Syme, Box 3578, Te2-9222, 408 E. Guilford St., Thomasville, NC

*Sutton, Michael Donovan, JR, EE, 5-B Vetville, Te3-5437, 1002 N. McMilewean, Kinston, NC
 Swann, Joe Terry, JR, EE, 115 Hawthorne Rd., Te4-3854, Rt. 6, Winston-Salem, NC
 Swann, Charles Rollins, SR, FMM, 708 St. Mary's St., Te4-6366, Roper, NC
 Swann, Robert Wayne, SR, AI, 223 Alexander, Box 4152, Te4-9746, Box 396, Southport, NC
 *Swann, Joseph Griffith, JR, DM, 1217 Kent Rd., Te4-8637, Rt. 1, Statesville, NC
 *Swann, Marshall N., SO, FMM, 4203 Western Blvd., Raleigh, NC
 *Swann, Pascual Ward, JR, CE, 26-C Vetville, Te2-5540, Rt. 4, Statesville, NC
 Swanson, Oliver Nathaniel, SO, EE, 120 Hillcrest, Te2-6383, Pilot Mountain, NC
 *Swaringen, Charles Edward, Jr., SR, IA, 100 Gardner, Te4-7536, Box 693, Pinehurst, NC
 Swaringen, David Leroy, JR, EE, 108 Watauga, Box 3008, Te2-9447, 326 Ridge St., Albemarle, NC
 Sweett, Jerry Oliver, JR, ME, 902 W. South St., Te2-1722, 602 Fairview St., Kannapolis, NC
 Sweets, Bernard Joseph Marie, SR, TC, 202 Tucker, Box 4675, Te2-9367, Warandelaan 25, Holland
 Swicegood, James Titus, SO, 1X, 204 Tucker, Box 4677, Te2-9312, 290 Winston Rd., Lexington, NC
 *Swicegood, Kenneth Thomas, SR, EA, 33-B Vetville, Te4-1501, Cleveland, NC
 Swidler, Sidney, SR, ARC, Box 5391, 3948 Mt. Vernon, Birmingham, Mich
 *Swift, Lloyd Wesley, Jr., GR, FOM, Rt. 4, Te3-9637, Raleigh, NC
 Swindell, Winfield Scott, SO, ME, 1500 Hillsboro, Te2-0267, Raleigh, NC
 *Swing, James Edward, SR, EE, Rush St., Raleigh, NC
 *Swing, Roland Kenneth, JR, AI, 705 W. Pineland, Te2-7754, Raleigh, NC
 Swofford, Doyle Patrick, SR, NE, 6 Bagwell Ave., Greensboro, NC
 Sykes, Grady Huston, SR, IE, 2513 Clark Ave., Box 5656, Te2-0268, 600 Lyon St., Charlotte, NC
 Sykes, Paul Marshall, SR, CHE, 2513 Clark Ave., Box 5656 Te2-0268, 919 Holladay St., Portsmouth, Va
 Syed, Ahmed Mahboob, 125 Owen Hill, Box 4444, P/269 Banni Monalla, Kawalpindi, W. Pakistan
 Syed, Ahmed Mahboob, UN, TX, 2404 Hillsboro, P/269 Banni Mohalla, Rawalpindi, W. Pakistan

Tabor, Christopher Alan, JR, 219 Tucker, Box 4690, Te4-6094, 3807 N. Charles St., Baltimore 18, Md
 Tabor, Robert Lewis, FR, EE, 323 Becton, Box 3791, Te2-9372, 104 Meade Dr., Greensboro, NC
 Talamas, Alfonso Talamas, FR, 1X, 230 Bagwell, Box 3362, Apartado 187, Sallitlo, Coahila Mexico
 Talbert, Glenn Bernard, DR, TX, 311 Becton, Box 3779, Te2-9372, 224 Wilson St., Albemarle, NC
 Talbert, Larry Melvin, SR, ME, 1509 Hillsboro, Te4-2556, 123 East St., Albemarle, NC
 Talbert, Stephen Delynn, SO, ME, 9 Montague Trailer Ct., Rt. 3, Raleigh, NC
 *Talbert, Thomas Flake, Jr., SR, ME, 708 S. Rowan Ave., Spencer, NC
 Talbott, Graham Merriett, SO, ME, 203 Syme, Box 3535, Te2-9150, Wallace, NC
 *Talley, James Monroe, SO, ARC, 5655 Western Blvd., Raleigh, NC
 Talley, Martin Edward, FR, PPT, 48 Owen, Box 4582, Te2-9412, 5 Wisteria Dr., Mobile, Ala.
 *Tally, Richard Donald, SO, AGP, Box 638, Cary, NC, HO7-3952, Rt. 1, Walkertown, NC
 Tanen, Robert John, SR, TX, 130 Hawthorne Rd., Te4-3325, 2860 Ocean Ave., Brooklyn, NY
 Tanner, Charles Allen, Jr., SO, FOR-PPT, 130 Hawthorne Rd., Te4-7325, Old Annapolis Rd., Severna Park, Md
 *Tanner, James Thomas, Jr., GR, CRE, 2953 Winchester Ct., Raleigh, NC
 Tanner, L. Aretwine, FR, E, 235 Owen, Box 4489, Te3-4410, Rt. 2, Box 235A, Jacksonville, NC
 Tanner, Richard Michael, SR, TX, 120 Owen, Box 4415, Te2-9115, 194 Stone Ave., Yonkers, NY
 Tapp, James Monroe, FR, CE, 216 Tucker, Box 4687, Te2-9387, 208 N. 22nd St., Wilmington, NC
 *Taras, Michael Andrew, GR, WT, 70 Forestry Sch., Ext. 406, 117 Park Ave., Raleigh, NC
 *Tardif, Gilbert, GR, ST, 409 W. Park Dr., Box 54JF, Te2-2233, 280 Grande Allee Ouest, Quebec, Canada
 Tardugno, Joseph Michael, Jr., SR, EE, 139 Alexander, Box 4131, Te2-9257, 6005 Oleander Dr., Wilmington, NC

Tart, John Sisker, Not in residence
 Tart, William Golden, Jr., SO, EE, 224 Syme, Box 3556, Te2-9150, Rt. 2, Benson, NC
 Tate, Clarence Garren, Jr., SR, CE, 406 N. Blount, Te4-5428, 156 N. Union St., Concord, NC
 *Tatum, Edgar Franklin, Jr., GR, ME, 1871 W. Smallwood Dr., Te3-5465, 420 3rd St. S.W., Moutrie, Ga
 Tatum, Sterling Samuel, SO, ME, 101 Oberlin Rd., Apt. 5, Te2-9531, 409 Sedgefield Rd., Charlotte, NC
 *Taylor, Benjamin Boswood, Prof., ARC, 131 Hawthorne Rd., Te4-4906, Maple, NC
 *Taylor, Bernard Montross, JR, 2303 1/2 Clark Ave., Raleigh, NC, Te4-4793
 *Taylor, Byron Shaw, SO, FE, 14 Syme, Box 3610, Te2-9421, Box 74, Dublin, NC
 Taylor, Dalton Ronald, FR, FOR, 121 Syme, Box 3521, Te2-9421, Rt. 2, Louisburg, NC
 *Taylor, David Ray, JR, CE, 1021 W. Peace St., Raleigh, Rt. 2, Zebulon, NC
 Taylor, Earl Wayne, Prof., ARC, 10 Enterprise, Te2-9836, Maple, NC
 Taylor, George Carlyle, SO, MEA, 160 Tucker, Box 4667, Te2-9367, 612 Eastern Ave., Rocky Mount, NC
 Taylor, Glenn Arrington, SR, AG, Becton, Box 3750, Te2-9334, Rt. 2, Whitakers, NC
 Taylor, Howard Livingston, SR, TX, 3800 Western Blvd., Te4-4371, 121 Michigan, Spindale, NC
 Taylor, James Anthony, FR, E, 356 Owen, Box 4567, Te4-9300, 807 W. St. James, Tarboro, NC
 Taylor, James Caswell, UN, AG, 2713 Vanderbilt, Te3-4916, 211 W. 4th Ave., Gastonia, NC
 Taylor, James Lee, SO, EE, 353 Owen, Box 4564, Te2-9464, Rt. 3, Candler, NC
 Taylor, Jerome Burton, SO, ME, 5 Syme, Box 3601, Te2-9421, Rt. 2, Snow Camp, NC
 Taylor, Jimmy Alton, FR, EE, Becton, Box 3772, Te2-9372, Rt. 2, Williamston, NC
 Taylor, John Bradsher, JR, GEE, 1720 Hillsboro, Te4-0451, Yanceyville, NC
 Taylor, John Preston, FR, CEC, Tucker, Box 4777, Te2-9323, Box 3266, Fayetteville, NC
 *Taylor, Kenneth Ray, JR, CE, 2121 Noble Rd., Te2-5137, Faison, NC
 Taylor, Larry Holmes, SO, TX, 364 Tucker, Box 4791, Te2-9363, 207 Broad St., Marion, NC
 Taylor, Larry Joe, SO, ME, 208 Becton, Box 3742, Te2-9334, Rt. 1, Denton, NC
 Taylor, Luther Hill, FR, ME, 238 Owen, Box 4492, Te2-9252, 119 Live Oak Ave., Wilmington, NC
 Taylor, Marvin Edward, Jr., SO, MEA, 130 Bagwell, Box 8330, Te4-9219, 624 Hancock, Smithfield, NC
 *Taylor, Ronald Sherrill, SO, NE, Wickers Trailer Prk., Rt. 4, Raleigh, Te2-4586, 2625 Ringwood St., Charlotte, NC

Taylor, Thomas Allen, SR, EE, 420 St. Mary's St., Te3-4701, Raleigh, NC
 Taylor, Timothy N., 206 Bagwell, Box 3338, Te2-9131, Box 463, Rockingham, NC
 Taylor, Walter Glenn, SO, MEA, 2232 Hillsboro, Raleigh, Rt. 4, Box 14, Lenoir, NC
 Taylor, William Hampton, FR, CRE, Alexander, Box 4761, Box 306, Yadkinville, NC
 Teague, Alan Lee, FR, ARC, 120 Woodburn Rd., Te3-4522, 11-J Edgewood Knoll Apts., Asheville, NC
 *Teague, Billy Keith, SO, IE, 306 E. Hargett St., Te2-7409, 501 Dock St., Wilmington, NC
 Teague, David Boyce, JR, EE, 303 Syme, Box 3567, Te2-9222, 397 Falls Ave., Granite Falls, NC
 Teague, Francis Carlyle, SR, IRR, YMCA, Box 5276, Te2-7184, Rt. 2, Liberty, NC

Teague, Hamp, FR, E, 50 Owen, Box 4584, Te2-9142, 215 Warren St., Riverside, Calif
 Teague, John Virgil, SR, DM, 2100 Hillsboro, Te4-6094, Rt. 3, Box 137, Guilford College, Greensboro, NC
 Teague, Robert Marvin, FR, EE, 209 Becton, Box 3743, Te2-9334, 610 Scott Ave., Greensboro, NC
 Teaney, John Irving, UN, GS, Box 541, Raleigh, NC, Te3-9012
 Teasley, Ralph Currin, SR, EE, 204 Fourth, Box 3122, Te2-9159, Rt. 5, Box 282, Durham, NC
 Teasley, Robert Bruce, SO, ZO, 345 Tucker, Box 4773, Te2-9323, 204 Bond Rd., Knoxville, Tenn.
 Tedder, Dewey Ray, JR, AGE, 201 Owen, Box 4458, Te2-9252, Rt. 2, Clarkton, NC
 Tehourds, Constantinos Bill, FR, MEA, 150 Owen, Box 4441, Te2-9115, 502 Wrightville Ave., Wilmington, NC
 Temple, Ralph Berlyn, FR, EE, 324 Becton, Box 3792, Te2-9372, Box 539, Newport, NC
 Templeton, Frank Graham, Jr., 206 Tucker, Box 4679, Te2-9387, C.M.R. 544, Box 486, Charlotte, NC
 *Templeton, Roy L., SR, EE, 29-F Vetville, Raleigh, 301 N. Rose Ave., Kannapolis, NC
 *Terrell, John Robert, SR, ME, 2816 Everett St., Te4-2500, Rt. 2, Clyde, NC
 *Terry, Roger Vernon, Jr., SO, EE, 3106 Raymond St., Raleigh, NC, Te4-0141
 *Tetterton, Larry Edward, SR, AED, 2209 Ann St., Raleigh, NC, Te4-8093
 Thames, Brown David, Jr., FR, MEA, 1620 Bickett Blvd., Te3-9072, Raleigh, NC
 *Tharp, Kenneth John, GK, CE, Durham 4-8715, 2610 Acadia, Durham, NC
 *Tharpe, Conrad C., Jr., JR, IA, Box 638, Cary, NC, HO7-3952
 Tharrington, Herman Reginal, Jr., SO, EE, 18 Syme, Box 3614, Te2-9421, Box 5, Bunn, NC
 Tharrington, Ronnie Owen, JR, Soils, 2100 Hillsboro, Te4-6094, Rt. 3, Louisburg, NC
 Tharrington, Tommie Hight, JR, Soils, 2100 Hillsboro, Te4-6094, Rt. 3, Louisburg, NC
 Tharrington, Williams, Harper, FR, AG, 123 Alexander, Box 4115, Te2-9257, Rt. 2, Box 219-A, Battleboro, NC
 Thigpen, Jacob Joyner, Jr., SR, PPT, 16 Enterprise St., Raleigh, Dudley, NC
 *Thigpen, Maurice Elton, GR, AGC, 718 Rosemont Ave., Rt. 4, Mt. Olive, NC
 Thoma, Peter Meinrad, JR, TX, 222 Hillcrest Rd., Te2-3429, 400 Highland Ave., Fitchburg, Mass
 Thomas, Allen Briggs, FR, NE, 116 Becton, Te2-9256, 2325 Pineroot Rd., Greensboro, NC
 Thomas, Charles Broughton, FR, MEA, Box 6023, Raleigh, 307 Woodlawn Ave., Weldon, NC
 Thomas, David Walter, Jr., SO, ME, 2512 Clark, Te2-4843, 34 Monroe Pl., Asheville, NC
 Thomas, Edward Duff, FR, DN, 1010 James Pl., Raleigh, NC
 Thomas, Grady Eugene, SO, CEC, 150 Owen, Box 4441, Te2-9437, Box 534, Landis, NC
 *Thomas, Grant Worthington, GR, Soils, 356 Williams Hall, Ext. 363, Rt. 4, Raleigh, NC
 *Thomas, Jack Barker, JR, IRR, 912 Harp Terr., Raleigh, 414 Sunset Ave., Rocky Mount, NC
 Thomas, Jack Maxton, SO, EE, Rt. 1, Sanford, NC
 Thomas, James Elvey, Jr., JR, ME, 904 Vance St., Raleigh, NC, Te2-0477
 Thomas, Jo Ann, JR, CHE, 712 Brooks Ave., Te2-5315, Summit Ave., Spruce Pine, NC
 *Thomas, John Edward, Jr., 14 Maiden Lane, Raleigh, NC
 Thomas, Johnnie Darrell, SO, CRE, 109 Bagwell, Box 3309, Te2-9219, Rt. 7, Box 247, Sanford, NC
 Thomas, Max Graydon, FR, CE, 223 Bagwell, Box 3355, Te2-9131, Rt. 4, Sanford, NC
 *Thomas, Ronald Colemont, FR, ME, Apt. J3B Cameron Court, Raleigh, NC, Te3-7377
 Thomas, Walter Carr, Jr., SR, IE, 210 Cox Ave., Apt. B, Te2-2575, 1321 Fernclife Rd., Charlotte, NC
 Thomas, Wayne Wesley, GR, MA, Center St., Apex, NC, Box 143
 *Thomason, Eddie Lee, Jr., 201 1/2 Park Ave., Apt. 4, Raleigh, NC
 *Thomason, James Boyd, Jr., JR, EE, 4815 Altha St., Raleigh, NC
 *Thomason, George L., SR, MEA, 1911 Clark Ave., Raleigh, NC
 *Thomason, Robert Bradley, Jr., JR, HAC, 308 Hillcrest Rd., Raleigh, c/o Acme Plbg. & Htg. Co., Lexington, NC
 Thomasson, Worth Bagley, Jr., SO, TX, 6 Syme, Box 3602, Te2-9421, Rt. 6, Lexington, NC
 Thompson, Delton Reitzel, JR, TXX, 245 Owen, Box 4497, 402 Vance Ave., Salisbury, NC
 Thompson, Dewey Wayne, SO, AG, 114 Bagwell, Box 3314, Te2-9219, Rt. 1, Box 88, Rockingham, NC
 *Thompson, Dewitt Calvin, SR, IRR, 19A Vetville, Te4-6297, Raleigh, NC
 *Thompson, Donald Morris, SR, FOM, 612-D Woodburn Rd., Va8-2395, Gastonia, NC
 Thompson, Earl Ryan, SO, MTE, 1620 Hillsboro, Box 5042, Te2-9531, Box 408, Lenoir, NC
 Thompson, Edsel Hughett, SO, AGC, Rt. 1, Smithfield, NC, 9322 Smithfield
 Thompson, Eugene, DR, IE, 1702 Dare St., Raleigh, NC, Te2-7843
 *Thompson, Harris Woodson, Jr., GR, EE, 2804 Barmettler St., Raleigh, NC Va8-2954
 Thompson, Harry Miller, FR, ME, 218 Willow St., Cary, NC, HO7-9536
 *Thompson, James Burton, JR, IE, 2513 Clark, Box 5656, Te2-0268, 1301 Rhem Ave., New Bern, NC
 *Thomson, Jerry William, SR, AED, 106 Welch, Box 3242, Te2-9119, 102 W. 3rd Ave., Lexington, NC
 *Thompson, Jessie Linwood, SR, EE, 7-F Vetville, Raleigh, NC, Te2-8668
 Thompson, John Reid, JR, PPT, 324 Park Dr., Te2-5670, 80 28th St. N.W., Hickory, NC
 *Thompson, John Robert, FR, IRR, Te3-9885, 1334 Courtland Dr., Raleigh, NC
 Thompson, Melvin Gerald, SO, EE, 132 Woodburn Rd., Raleigh, 965 N. Bridge St., Elkin, NC
 Thompson, Robert Alvin, SR, CHE, 805 1/2 New Bern Ave., Apt. B, Raleigh, Box 408, Lenoir, NC
 Thompson, Victor Patrick, SR, CE, 239 Owen, Box 4493, Te2-9410, Rt. 4, Box 494, Morganton, NC
 Thompson, William Smith, GR, FPY, 3512 Leonard St., Raleigh, NC, Te3-8200
 *Thorbiornsen, Eyvind, 2331 McCullon Cir., Raleigh, NC
 *Thornburg, Barry Jan, SO, MTE, 301 1/2 Bickett Blvd., Te3-4088, 1814 Willora Rd., Greensboro, NC
 *Thornburg, Clarence Otto, Jr., JR, NE, 3918 Sherman Rd., Raleigh, Dallas, NC
 Thornburg, Robert LeRoy, JR, FE, 2314 Hillsboro, Te3-4106, 2321 Eleroy Ave., Gastonia, NC
 *Thorne, Francis Lewis, SR, FOM, 8-E Vetville, Raleigh, NC
 Thorne, George Franklin, GR, FC, 428 Williams Hall, 7823 Fort Foote Rd., Fort Foote, Md
 Thornes, Kenneth Mack, FR, MEA, 1200 Clifton St., Raleigh, NC, Te4-1015
 Thornton, William Edgar, FR, EE, 231 Becton, Box 3765, Te2-9334, 1507 Waverly Ave., Kinston, NC
 Thorp, Erich Carl, SR, FOM, 125 Hawthorne Rd., Te2-1183, 43 Linden Ave., Verona, NJ
 Thorpe, Otto Droil Jr., FR, CHE, 130 Syme, Box 3530, Te2-4222, 433 S. Rore St., Statesville, NC
 *Thrash, Wesley Doane, GR, EE, 26-A, Brookwood Garden Apts., Burlington, NC, Ca6-3374
 Threatt, Oscar John III, FR, CHE, 202 Turlington, Te2-9297, 226 Battery Pl., Colonial Heights, Va
 Threatt, Philip Hope, FR, HAC, 305 Becton, Box 3773, Te2-9372, Old Wilson Rd., Rocky Mount, NC
 Thum, Seymour Ralph, SR, IE, 2421, Beechridge Rd., Raleigh, 2991 Brighton 13 St., Brooklyn, NY
 Thurstone, Ropert Leon, EE, 400 Laurel Hill Rd., Chapel Hill, NC
 *Tibbals, Howard Charles, JR, WT, 1218 Chaney Rd., Te2-1639, Box 218, Oneida, Tenn

Tickle, Donald Reed, SO, EE, 310 Tucker, Box 4743, Te4-9739, Rt. 4, Mebane, NC
 *Tilghman, Marion Taylor, 520 Grove Ave., Te4-4174, Meldon, NC
 *Tillery, Clarence A., Jr., JR, HAC, 402 Horne St., Te4-0848, 402 Horne St., Raleigh, NC
 *Tillett, William Franklin, JR, ME, 211 Groveland Ave., Te2-6347, Timberlake, NC
 Tilley, Alton Grey, SO, CHE, 221 Owen, Box 4476, Westfield, NC
 *Tilley, Jack Preston, SR, AED, 995 Wilmington Terr., Raleigh, Westfield, NC
 Tilley, John Douglas, FR, CE, 128 Alexander, Box 4123, Te2-9257, 1110 Centennial, High Point, NC
 Tillman, Leonard Kommell, FR, TX, 341 Owen, Box 4555, Te4-9300, 98-25 64th Rd., Forest Hills 74, NY
 Tillotson, Curtis Carlyle, JR, CE, 205 Tucker, Box 4678, Te2-9387, College St., Oxford, NC
 Tillotson, George Neale, SR, TX, 302 Berry, Box 4322, New Bern, NC
 Tilton, Leonard Carey, SR, HRT, 604 S. Boylan Ave., Te2-8666, Box 384, Mars Hill, NC
 Tilson, Robert Ray, SR, ME, 122 Hillcrest St., Apt. 5, Te2-1453, Burnsville, NC
 Timblin, Stanley Walter, JR, EE, 115 Hawthorne Rd., Te4-4193, Box 391, Rt. 1, Durham, NC
 *Timmons, Harry Motte, SO, MED, 1112 Parker St., Raleigh, NC
 Titmus, Edward Buford, FR, AGC, 322 Beeton, Box 3790, Te2-9372, RFD 3, Petersburg, Va
 *Todd, Billie Richard, SR, MEA, 22-B Vetville, Te3-6358, 1400 S. Stratford Rd., Winston-Salem, NC
 Todd, Robert Baker, JR, ME, 4 Stadium, Box 4349, Te4-9803, 735 Main St., Carrboro, NC
 Todd, Thomas Edward, GRAD, NE, 206 Gold, Box 3218, Te2-9263, RFD 1, Augusta, Kentucky
 Todd, William Darlington, Jr., SO, EE, 4 Berry, Box 4337, Te2-9350, Box 73, Gastonia, NC
 *Tokar, Francis Norman, SR, IRR, 3919 Jackson St., Te3-7600, Raleigh, NC
 Tokarz, Paul Anthony, SO, ARC, 307 Alexander, Box 4172, Box 305, Cooleemee, NC
 *Tola, Peter Thomas, SR, IA, 922 Harp Terrace, Te4-2273, Raleigh, NC
 *Tolar, John Woods, FR, TX, 230 Syme, Box 3562, Te2-9150, Cedar Grove, NC
 Tolen, Robert Curtis, SO, NE, 113 Watauga, Box 3013, Te2-9447, 417 Peachtree St., Asheboro, NC
 Tomlin, Donald Doan, Jr., JR, EPY, 127 W. Park Dr., Te3-6671, 1106 S. Seminole Dr., Chattanooga, Tenn
 Tomlinson, William Burnett, III, FR, ME, 312 Owen, Box 4528, 4811 Brook Rd., Richmond, Va
 *Tommerdahl, James Benhard, GRAD, EE, 1613 Beaver, Te4-8585, 1615 Beaver Dam Dr., Raleigh, NC
 Toney, Carl Wilburn, SR, AGE, 216 Syme, Box 3548, Te2-9150, Rt. 1, Mooresboro, NC
 Toney, Fred, Jr., JR, EMA, 316 Syme, Box 3580, Te2-9222, Rt. 1, Mooresboro, NC
 *Toney, Lynwood Reid, FR, EE, 419 Guilford Cir., Te3-4118, 419 Guilford Cr., Raleigh, NC
 *Torrence, David Lawson, SR, FOM, 1306 Mordicai Dr., Raleigh, NC
 *Torrence, James Franklin, JR, MEA, 927 Tower St., V8-2053, 1326 Parkview Cr., Salisbury, NC
 *Tosto, Edgar Paul, SO, EE, 2214 Bernard St., V8-2295, Raleigh, Sealevel, NC
 Tourtellot, Robert Chester, FR, CE, 311 Beeton, Box 3779, Te2-9372, 126 Hillside Ave., Charlotte, NC
 Tousignant, Davis Arthur, SR, TX, Kappa Alpha, Te4-2001, 2716 Columbia Ave., Wilmington, NC
 Towe, Gordon Keith, FR, MEA, 119 Bagwell, Box 3319, Te4-9219, 2 Clairmont Ave., Asheville, NC
 Townsend, Clarence, SR, EMA, 2623 1/2 Oberlin Rd., Te4-2441, 801 Caldwell, Lumberton, NC
 Townsend, William Guy, SR, AI, 2718 Clark Ave., Te2-6451, Manquin, Va
 Traber, Lawrence James, FR, ARC, 216 Watauga, Box 3034, Te2-9132, 153 Birch Ct., Arden, NC
 Traylor, Robert Walker, SO, IRR, 126 Tucker, Box 4637, Te4-9388, Norlina, NC
 *Treece, Ben Carolyn, JR, CEC, Apt. 25B Vetville, Te2-9290, 4224 Commonwealth Ave., Charlotte, NC
 Treece, Johnny Benjamin, JR, IA, 214 Watauga, Box 3032, Rt. 2, Albemarle, NC
 Trent, Wallace Lee, SO, ACM, 180 Woodburn Rd., Box 734, Kernersville, NC
 Triantaphyllou, Anastasios Christ, GRAD, PP, Everett Ave., Amaliapolis Yolou, Greece
 Triebe, Edward James, Jr., SO, PPT, 222 Hillcrest Rd., Te2-3429, Rt. 4, Kingsport, Tenn
 *Trizo, Luis C., Jr., SR, CE, 400-A Chamberlain St., Te2-2111, Box 372, Roosevelt Sta., San Juan, P. R.
 *Triplett, Oscar E., Jr., JR, EE, 419 Wayne Dr., Te4-2323, Raleigh, NC
 Tripp, Benjamin Riley, GRAD, EE, 207 4th Dorm, Box 3125, Te2-9159, Ayden, NC
 *Trivett, William Walter, SO, EE, 988 Wilmington Terr., Raleigh, Vilas, NC
 Trotman, Frank Bacon, JR, SED, 202 Alexander, Box 4134, Te4-9746, Kings Highway, Haddonfield, NJ
 *Trotman, John Lee, SO, CE, 2702 Bedford Ave., Te4-5578, Raleigh, NC
 *Trotter, Donald Lee, 985 Harp Terrace, Raleigh, 123 Gordon Dr., Winston-Salem, NC
 Troutman, John William, SO, NE, 2512 Clark Ave., Rt. 7, Box 434, Statesville, NC
 Troutman, William Harvey, SO, EE, 321 Bagwell, Box 3387, Te4-9151, Box 32, Concord, NC
 Trowbridge, Kennard Shields, JR, IRR, 191 Chamberlain St., Te2-2293, 210 Golf Rd., Plymouth, NC
 *Troxlor, William Finch, PROF, EE, 3123 Childers St., Raleigh, NC
 Truckner, Alton Hayes, SO, CE, 204 Beeton, Box 3738, Te2-9334, 1722 Murray St., Durham, NC
 Trunnell, Albert G., JR, CE, 3800 Western Blvd., V8-2235, Box 461, Southport, NC
 Truslow, David Buck, FR, TX, 303 Turlington, Box 4268, Te2-9192, Prides Crossing, Mass
 Tsou, Shi-Hsen, GRAD, EE, 312 Gold, Box 3236, Te2-9263, 152 Ai Kuo Tung Lou, Taipei, Taiwan, China
 Tsumas, Paul William, SO, ARC, 114 Bagwell, Box 3314, Te4-9219, 443 W. Bell, Statesville, NC
 Tuck, Horace Clayton, SO, CE, 1408 Hillsboro St., Te2-5745, 2105 Greensboro, NC
 *Tucker, Alvin Howard, SO, ME, 206 Syme, Box 3538, Te2-9150, Rt. 5, Hickory, NC
 Tucker, George Azore, FR, CHE, 209 Owen, Box 4466, Te2-9410, Rt. 12, Box 625, Concord, NC
 Tucker, Henry Lansing, JR, ME, 145 Owen, Box 145, Te2-9115, Townsville, NC
 Tucker, Richard Lyon, FR, CE, 48 Tucker, Box 4798, Te2-9186, Rt. 3, Box 57, Greensboro, NC
 *Tucker, Robert Hoyle, SR, ARC, 304 Horne St., Te3-4015, Raleigh, NC
 Tucker, Robert Perry, SR, TX, 140 Alexander, Box 4132, 89 St. Dumstans Rd., Asheville, NC
 *Tucker, Robert Woodson, JR, ME, 106 Ashe Ave., Te4-8814, Raleigh, NC
 Tucker, William Carr, FR, ME, 127 Owen, Box 4422, Te2-9115, Box 74, Townsville, NC
 *Tucker, William Lee, GRAD, AI, 109 N. Boylan Ave., Te4-8690, Raleigh, Finchville, Kentucky
 *Tudor, Robert Barnes, FR, WCM, 127 Kent Rd., Te2-4088, Raleigh, NC
 Turbeville, Robert Earl, FR, NE, 138 Tucker, Box 4648, Te2-9388, 401 B St., Bridgeton, NC
 Turbyfill, Basil Waites, SR, FMM, 2512 Clark Ave., Te2-4843, 405 7th N.E., Hickory, NC
 Turlington, Wade Robert, SO, 1 Stadium, Box 4346, Te4-9803, Box 1217, Jacksonville, NC
 Turnage, Floyd Davis, Jr., ME, 122 Hillcrest Rd., Apt. 5, Te2-1453, Box 74, Fountain, NC
 Turner, Charles David, SO, EE, 126 Turlington, Box 4223, Te4-9279, 601 Greenland, Fayetteville, NC
 Turner, Douglas Harry, FR, EE, 217 Bagwell, Box 3349, Te2-9131, Rt. 1, Rosehill, NC
 Turner, Jack Boyd, SO, EE, 127 Park Drive, Te3-6671, Rt. 1, Box 2, Old Fort, NC
 Turner, James Floyd, FR, EE, 115 Woodburn Rd., RFD 2, Wadesboro, NC
 Turner, James Harold, Jr., SR, TX, 316 Beeton, Box 3784, Te2-9372, Rt. 2, Polkton, NC
 *Turner, Jerry Mitchell, SR, LA, 2102 B. Smallwood Drive, Te4-8540, 201 Crescent Ave., Fay, NC

Turner, Jimmy Lynn, FR, CEC, 338 Tucker, Box 4768, Te2-9323, Rt. 2, Box 233, Shelby, NC
 Turner, John Hall, FR, FOR, 405 Colleton Rd., Te2-2916, Raleigh, NC
 Turner, Malcolm E., 2618 Country Club Ct., Te4-6640, Raleigh, NC
 Turner, Marcus Sharpe, Jr., JR, AED, 115 Becton, Box 3715, Te2-2956, Fair Bluff, NC
 Turner, Richard Edward, JR, MEA, 203 Groverland Ave., Te2-6861, Rt. 2, Wadesboro, NC
 Turner, Robert Cecil, FR, EE, 323 Becton, Box 3791, Te2-3372, 503 Northridge, Greensboro, NC
 *Turner, Robert Dean, PROF, ARC, 108 Horne St., Te4-5068, Raleigh, Ipswich, Mass
 Turner, Wubur Harrell, SO, ME, 2400 Delta Drive, Box 5111, Raleigh, NC
 Turpin, Robert Garner, FR, EE, 324 Becton, Box 3792, Te2-9372, Box 22, Newport, NC
 Tuttle, James Leo, JR, IRR, 319 Becton, Box 3787, Te2-9372, 1110 Pinecrest St., Burlington, NC
 *Tuttle, Bobby Warren, SO, CHE, 131 Summit Ave., Te3-6191, Raleigh, NC
 Tuttle, Ronald Edward, JR, IE, 207 Welch, Box 3255, Te2-9113, Children's Home, Winston-Salem, NC
 Tweed, Charles Warner, SR, FOR, Apt. 5, 5 Dixie Trail, Raleigh, 125 E. Euclid Pkwy., Asheville, NC
 Twiford, Clement Williams, FR, CHE, 315 Becton, Box 3783, Te2-7372, 606 N. Audubon Ave., Goldsboro, NC
 *Tyler, Warren Randolph, FR, CHE, 2402 1/2 Stafford Ave., Te4-5983, 2415 Medway, Raleigh, NC
 Tyndall, Lloyd Arlington, SR, MAG, 17 Stadium, Box 4362, Te4-9803, Kinston, NC
 Tyndall, Paul Elwood, JR, TX, 227 Bagwell, Box 3359, Te2-9131, Albertain, NC
 Tysinger, James Edwin, FR, EE, 340 Owen, Box 4554, Te4-9836, 52 Harrison Ave., Franklin, NC
 Tyson, A. Ruthe, UNCL, TX, 10 Enterprise St., Te4-0575, 209 Church St., Farmville, NC
 Tyson, Bradley Yates, SO, EE, 203 Groverland Ave., Te2-6861, Wadesboro, NC
 *Tyson, Elijah James, SR, AGE, Apt 37-E Vetville, Va8-2956, Raleigh, NC
 Tyson, Martin Luther, Jr., SO, MTE, Rt. 6, Te3-786, Raleigh, NC
 *Tyson, Robert Lee, Jr., FR, FOM, 34 Dixie Dr., Te3-2434, Raleigh, NC
 *Tzentsis, Leonidas Simeon, GD, MAG, ME, 122 Park Ave., Te3-9589, Tarlabasi F5, Istanbul, Turkey

Umphlett, Charlie Morgan, SO, CE, 306 Syme, Box 3570, Te2-9222, Box 142, Hertford, NC
 Umstead, Willis Cranmer, SO, AGE, 120 Tucker, Box 4637, Garner, NC
 Underwood, Edgar Myron, III, 2512 Clark Ave., Te2-4843, 301 N. Vance St., Sanford, NC
 Underwood, Harrison Aubrey, 3614 Bellevue Drive, Te3-8656, Raleigh, NC
 *Underwood, Willie Eugene, JR, ME, 1227 Duplin Rd., Te2-7134, Raleigh, Rt. 3, Box 364 Waynesville, NC
 Untz, James Neal, JR, ME, 205 Owen, Box 4462, Te2-9410, 402 Park Drive, Belmont, NC
 *Upchurch, Avron Buron, AED, 204 Ransom St., Fuquay, NC
 Upchurch, Clyde Neil, SO, DN, 709 Glascock St., Te3-8101, Raleigh, NC
 Upchurch, Lewis Marvin, Jr., FR, IE, 111 Bagwell, Box 3311, Te4-9219, 807 N. Main St., Raeford, NC
 *Uribe-A, Jorge, SR, TX, Box 5654, 120 Cox Ave., Raleigh, NC
 Usrey, Thomas Brooks, Jr., SO, EE, Syme, Box 3621, Te2-9421, RFD 1, Lilesville, NC
 *Userry, Milton Everette, JR, IE, Apt. 23-B Vetville, Te3-7242, Raleigh, NC
 *Userry, Robert Lloyd, SO, EE, 1110 Parker St., 66 South St., Rockingham, NC
 Uthaisilpa, Chinda, Sp. Student, FOR, 2705 Van Dyke Ave., Raleigh, NC
 *Uzzell, Carl Thomas, JR, EE, Rt. 4, Raleigh, Cheraw Rd., Hamlet, NC

Vail, James Thomas, FR, EE, 218 Bagwell, Box 3350, Te2-9131, 509 7th St., Spencer, NC
 Valentine, William Edison, 901 W. Johnson St., Raleigh, 102 Thompson St., Whiteville, NC
 Van Campen, Darrell Robert, GR, AI, Dept. of AI, Nutrition Section, Ext. 241, Rt. 2, Box 19, Santanta, Kansas
 Vance, John Dallas, SR, AGE, 104 Fourth, Box 3114, Te2-9159, P.O. Box 76, Pineolz, NC
 *Vance, John Shelby, JR, NE, 216 Hillcrest, Te5-4993, P.O. Box 356, Mars Hill, NC
 Van Dorp, William, SO, D, Husb., 1501 Benchan St., Te4-0271, Pinetown, NC
 Van Eman, Lanny E., FR, IA, 214 Alex., Box 4143, Or3-1151, 1016 Porter McKeesport, Pa.
 Vann, Clifton Benjamin, FR, ME, 2-1 Tucker, Box 4674, Te2-9387, 111 Wayne Dr., Wilmington, NC
 Vann, Joseph McAlpin, SR, MED, 125 Turl., Box 4223, Te2-9729, 1930 Plaza Ct., Charlotte, NC
 Vann, Thomas Phillips, FR, EE, 5 Berry, Box 4338, Te2-9350, 455 S. Ashe St., Southern Pines, NC
 Vann Voorhis, Bruce, FR, EE, Syme, Box 3562, Te2-9150, Rt. 1, Boone, NC
 Varner, Andrew Brockman, GR, EE, 1029 St. Mary's St., Raleigh, NC
 Varon, Jaime, SO, TX, 304 E. Park Dr., Te2-3638, P.O. Box 888, Lima, Jeru
 Vaughan, Dexter Coleman, SO, CE, 2226 Hillsboro, Raleigh, 1108 Fourth St., Hartsville, SC
 *Vaughan, George Warren, SR, ARC, 15 Glenwood Ave., Raleigh, NC
 Vaughn, Charles Richard, FR, NE, 8 Syme, Box 3604, Te2-9421, 306 Wrenn Ave., Mt. Airy, NC
 Vaughn, Kenneth Sverett, JR, AI, YMCA, Te2-7184, Rt. 1, Providence, NC
 Vause, Charles Richard, SR, MEA, 204 Syme, Box 3536, Te2-9150, 104 Ridgecrest Ave., Rutherfordton, NC
 Veasey, Percy Linwood, FR, CE, 25 Becton, Box 3826, Te2-9621, Rt. 5, Durham, NC
 Venable, Wallace Gerald, FR, DN, 309 Alex., Box 4173, Te2-9349, 701 Market St., Cheraw, SC
 *Vennel, Woodrow Wilson II, SR, MEA, 2714 Dorchester Ct., Raleigh, NC Te4-8386
 *Venters, Robert Troy, II-A Vetville, Te4-0157, Main St., Lebanon, NJ
 Verbech, Arthur Ralph, MA, c/o Paul Cooper, Old Trinty Rd., Raleigh, 157 Saratoga Ave., Waterford, NY
 Vermilya, Herbert Marshall Jr., JR, CE, 2512 Clark, Te2-4843, 2505 Walker Ave., Winston-Salem, NC
 *Verreault, John Francis Jr., SR, TX, 812 Henderson Rd., Te2-3947, P.O. Box D, Valdese, NC
 Vess, Fountain Gwyn, Jr., FR, AGE, 4 Syme, Box 3600, Te2-4921, Rt. 2, Laurinburg, NC
 Vestal, Ellis Brinson, SR, AGC, 301 Welch, Box 3261, Te2-9119, P.O. Box 263, Kenansville, NC
 Vester, Terry Wayne, FR, AG, 208 Williams Hall, Rt. 1, Spring Hope, NC
 Villeneuve, John Bernard, UN, TXC, 2304 Bedford St., Te2-8778, 28 Lawrence Ave., Cornwall, Ontario, Canada
 Vincelli, Giacomo Cevario, JR, LA, 1310 Hillsboro, Te2-5897, 5702 Queen Mary Rd., Montreal, Quebec, Canada
 Venson, Jake Nelano, JR, AED, 124 Alex., Box 4119, Te2-9257, Rt. 1, Roseboro, NC
 Vinson, James Chestine, FR, AED, 224 Bagwell, Box 3356, Te2-9131, RFD, Conway, NC
 *Vinson, Joseph Bennett, SO, FOR, 528 N. Person St., Raleigh, NC
 Vitek, Stephen Joseph, SR, IRR, 220 Alex., Box 4149, 143 W. Abbott St., Lansford, Pa.
 Voder, Phillip Daniel, FR, HAC, 230 Owen, Box 4485, Te2-9410, P.O. Box 93, Newton, NC
 *Vogler, Charles McKinney, JR, EE, 2707 1/2 Vanderbilt Ave., Te4-0694, P.O. Box 661, Mt. Airy, NC
 *Vogler, John Franklin, SR, ME, 25-F Vetville, Raleigh, P.O. Box 661, Mt. Airy, NC
 Vogler, Robert Alan, JR, ME, 217 Watauga, Box 3035, Te2-9132, 2323 E. Sprague St., Winston-Salem, NC

Vollmar, George Siegfried, FR, REC, 347 Owen, Box 4558, Te4-9836, 840 Spruce St., Trenton, NJ
 *Von Canon, Jacob Frederick, JR, AI, Rt. 6, Raleigh, Te3-7836, Banner Elk, NC
 Von Cannon, Luther Paul Jr., FR, NE, 329 Alex., Box 4192, Te2-9349, P.O. Box 191, Garland, NC

*Wachob, James Calvin Jr., P.O. Box 387, Holly Springs, NC, 504 Carbon City Rd., Morganton, NC
 Waddell, Robert Allen, SR, AED, 303 Watauga, Box 3039, Te2-9132, Fair Bluff, NC
 Wade, Alvin Langley Jr., FR, NE, 133 Owen, Box 4428, Te2-9115, 503 Bridges St., Morehead City, NC
 Wade, Bobby Bruce, JR, GEE, 318 Alex., Box 4181, Te2-9349, Rt. 5, Oxford, NC
 *Wagner, Harold Alfred, SR, TX, 17-C Vetville, Te4-3720, P.O. Box 95, Coolee, NC
 Wagoner, Wayne Samuel, FR, ME, 350 Tucker, Box 4777, Te2-9323, Rt. 2, Gold Hill, NC
 Wait, Keppel Duane, SO, NE, 353 Owen, Box 4564, Te2-9464, 167 Lakeside Dr., Asheville, NC
 Waitman, Gerald Louis, SR, IA, 124 Becton, Box 3724, Te2-9256, 2514 Morganton Rd., Fayetteville, NC
 *Wakley, John Halbert, GR, IAS, 400 Chamberlain St., Raleigh, NC, Te4-4282
 Walch, James William III, JR, TX, 143 Owen, Box 4436, Te2-9936, 1900 Phila. Pike, Claymont, Del.
 Walden, Samuel Creus, SR, NE, 2514 Clark, Te3-4522, 104 Orange St., Tabor City, NC
 *Walden, William Strother, JR, AI, 2210 Hope St., Te2-8971, 144 Coleman Ave., Asheville, NC
 Walk, Thurmore Haywood Jr., GR, PSY, 3800 Western Blvd., Te4-4371, E. Main St., Forest City, NC
 *Walker, Carl Richard, SR, MEA, 23-F Vetville, Te2-4222, Rt. 5, Shelby, NC
 Walker, Dorothy Dean, JR, NE, 3101 Douglas St., Raleigh, Te4-9504, 1119 S. Park Ave., Burlington, NC
 *Walker, Elwood J., JR, AED, 22-G Vetville, Te3-5759, Rt. 1, Albertain, NC
 Walker, Fenton Gene, JR, EE, 1507 Ambleside Dr., Va8-2071, 1369 N. Well Ave., San Bernardino, Calif.
 Walker, Ferman Lee, SR, EE, 416 E. Hargett St., Te2-5914, Rt. 1, Mill Spring, NC
 Walker, Glen Edward, SO, ME, 325 Alex., Box 4188, Te2-9349, Rt. 6, Box 22, Morganton, NC
 Walker, Herman Lewis, SR, EE, 416 E. Hargett St., Te2-5914, Mill Spring, NC
 Walker, James Baird, GR, ME, 615 N. Boundary St., Raleigh, NC, Te2-2200
 Walker, James Clark, JR, EE, 106 Syme, Box 3506, Te2-9288, 103 Walker Dr., Lenoir, NC
 Walker, James Franklin, SO, NE, 308 Horne St., Te2-7050, Rt. 3, Burlington, NC
 Walker, Jefferson Hiden Jr., FR, EE, 221 Becton, Box 3755, Te2-9334, 17 River Rd., Warwick, Va.
 Walker, Raymond Harley Jr., SO, MEA, 65 Tucker, Box 4815, Te4-5211, P.O. Box 95, Sparta, NC
 Walker, Robert Henry, SO, EE, 307 Welch, Box 3267, Te2-9119, Rt. 1, Yanceyville, NC
 *Walker, Theodore Havard, GR, IE, Box 5655 Western Blvd., Te4-6295, 130 Park St., Statesville, NC
 Walker, Thomas, JR, FOM, 219 Tucker, Box 4690, P.O. Box 86, Clayton, Ohio
 *Walker, William Earl, 3020 Lewis Farm Rd., Raleigh, NC

*Wall, Carl Herman, SR, FMM, 1305½ College Place, Raleigh, Burkemont Ave., Morganton, NC
 *Wall, Donald Graham, SO, ME, 949 Peace Terr., Raleigh, NC, Te4-1423
 *Wall, Harold Jennings, SR, ME, 12-B Vetville, Te4-7956, 4501 Lane St., Winston-Salem, NC
 Wallace, Hoyt Albert, SO, NE, 101 Berry, Box 4301, Te2-9363, P.O. Box 548, Newport, NC
 *Wallace, James Madison Jr., SO, EE, P.O. Box 696, Warsaw, NC
 Wallace, Larry Wayne, FR, ME, 232 Bagwell, Box 3364, Te2-9131, Hamilton, Roanoke Rapids, NC
 Wallace, Robert Earl, JR, MEA, 67 Owen, Box 4600, Te2-9115, 17331 N.W. 29th Ave., Opa Locka, Fla.
 Wallace, Thomas Cushing IV, SO, AI, 205 Turl., Box 4236, Te2-9297, Red Hill Farm, Pedlar Mills, Va.
 *Wallaxe, Thomas Edward, FR, IA, 2343, Bernard St., Te2-8301, Raleigh, NC
 *Waller, Jerry Marvin, JR, MTE, 609 Kirby St., Te4-3930, 504 Main St., Hamlet, NC
 Wallinger, Ralph Scott, SO, FOR, 218 Turl., Box 4246, Te2-9297, 322 Duncan St., Ashland, Va.
 *Walsh, Paul Eugene Jr., FR, EE, 517 N. Bloodworth St., Raleigh, NC, Te4-5389
 Walters, Jack Jr., FR, FOR, Syme, Box 3620, Te2-9421, Smyrna Rd., Whiteville, NC
 Walters, Luther Marvin, SR, CHE, 108 Becton, Box 3208, Te2-9256, 415 Lexington, Rocky Mount, NC
 *Walton, James E., SR, IE, Te2-7612, 927 Wilmington Terr., Halifax Ct., Raleigh, NC
 Walton, James Lynne, SO, IE, 143 Owen, Box 4436, Te2-2115, P.O. Box 204, Downingtown, Pa.
 *Walton, Jay Rooney, SR, CE, 3019 Leonard St., Raleigh, NC, Te4-8032
 Waltz, William Reid, FR, NE, Owen, Box 4514, 1701 N. Independence Blvd., Charlotte, NC
 Wang, Fu, Tseng, GR, EST, 15 Maiden Lane, Raleigh, China
 Ward, Ala Hill, JR, ARC, 191 Hawthorne Rd., Te2-2408, 807 Market St., Wilmington, NC
 Ward, Bennie Ray, JR, MTE, 231 Syme, Box 3563, Te2-9150, 204 Church St., Elkin, NC
 Ward, Carl Hugh, SR, AED, 2226 Hillsboro, Te4-4137, Nakina, NC
 *Ward, Charles Floyd, FR, EE, Rt. 3, Whiteville, NC

Ward, Clarence Lane, JR, TX, 159 Owen, Box 4450, Te2-9115, 208 S. McLewean, Kinston, NC
 Ward, Daniel Edward, SR, P.O. Box 1248, Raleigh, Te3-8678, 503 Cleveland St., Raleigh, NC
 Ward, James Edward, JR, ME, 107 Berry Box 4307, Te4-5211, Exe. 348, Rt. 1, Rose Hill, NC
 Ward, James Lonnie, JR, ME, 118 Syme, Box 3518, Te2-9288, 4 Nantahala, Badlin, NC
 Ward, James Oskev, SO, CE, 110 Bagwell, Box 3310, Te2-9412, 1111 S. 3rd St., Wilmington, NC
 Ward, Noah Linwood, JR, AED, 2226 Hillsboro, Te4-4137, Nakina, NC
 Ward, Robert Lee, Jr., SO, TC, 225 Becton, Box 3759, Te2-9131, 133 W. Catawba Ave., Mt. Holly, NC
 Ward, Thomas Marsh, Staff

Ward, Wayne Aubrey, JR, AG, 16 Stadium, Box 4361, Rt. 2, Box 182, Denton, NC
 Wardsworth, Robert Earl, JR, AED, 133 Bagwell, Box 3401, Rt. 1, Macclesfield, NC
 Warlick, Charles Kenneth, SO, CHE, 102, Syme, Box 3502, Te2-9288, Polkville, NC
 *Warlick, Frederick M. Jr., JR, TC, 3306 Hillsboro St., Raleigh, NC
 Warlick, Max Lane, JR, CHE, 2609 Clark, Te4-1384, Rt. 3, Lawndale, NC

Warren, Bobby Wade, FR, NE, 213 Becton, Box 3747, Te2-9334, 4 Chestnut St., Wake Forest, NC
 Warren, David Lee, FR, LA, 53 Owen, Box 4987, Te2-9142, 4518 Alabama Ave. S.E., Washington, DC
 Warren, Garland G. Jr., SR, EMA, 116 Syme, Box 3516, Te2-9288, 210 Rawley Ave., Mt. Airy, NC
 Warren, Howard Daniel, FR, E, 104 Turl., Box 4203, Te4-9279, 15 Trotter Pl., Asheville, NC
 Warren, James Arnold, JR, CE, Stadium, Box 4347, Te4-9863, 147 S. Lucky St., Statesville, NC
 *Warren, James Daniel, JR, FMM, Cary, NC, Box 638, Ho73952
 Warren, James Prentice Jr., FR, CE, 310 Becton, Box 3778, Te2-9372, Rt. 4, Box 14, Clinton, NC
 Warren, John Hassell, SO, AI, 158 Owen, Box 4449, Te2-9115, Prospect Hill, NC
 Warren, Tommy Cauley, JR, ME, 116 Hawthorne, Raleigh, Horse Shoe, NC
 Warrick, David Paul, JR, AED, 1328 Filmore St., Box 1328, Te4-2249, Rt. 1, Box 183, Jackson, NC
 *Warrick, Woodie Jr., SO, EE, Te2-8366, 609 Holden, Raleigh, NC

Warrington, Larry David, JR, TX, 115 Hawthorne, Raleigh, 1513 Rhem Ave., New Bern, NC
 *Warren, Fredric Glenn, SR, EE, 34-A Vetville, Box 5272, P.O. Box 357, Selma, NC

Washam, Burl Jackson, SR, MAG, 52 Owen, Box 4586, Te2-9142, Rt. 2, Box 312, Huntersville, NC
 Wasserman, Maros, SR, TC, 116 St. Mary's St., Raleigh, Calle 67, No. 5-27, Bogota, Colombia
 Waterhouse, Myra, GR, EST, 1324 Brooks Ave., Te2-4731, 11715 36th Ave. N.E., Seattle 55, Washington
 *Waters, Earl Wayne, SR, EE, 8-D Vetteville, Te4-2132, 99 Franklin, Roanoke Rapids, NC
 Waters, Gordon M. Jr., FR, ED, 319 Tucker, Box 4750, Te4-9739, 1200 Beal St., Rocky Mount, NC
 Waters, James Luther, FR, EE, 212 Welch, Box 3260, Te2-9119, Rt. 1, Box 120, Washington, NC
 *Waters, John Charles, FR, EE, 114 Park Ave., Apt. 4, Raleigh, Forest City, NC
 *Waters, Raymond Chevalier, SR, FRR, 3109 Hillsboro, Te4-8851, Raleigh, NC
 Waters, Richard Moody, SO, EE, 312 Owen, Box 4528, Te4-9836, 125 Madison, Roanoke Rapids, NC
 Waters, Robert Warren, SO, ME, 214 Bagwell, Box 3346, Te2-9131, 907 Henry, Roanoke Rapids, NC
 Waters, Wilbert Jackson, SO, WPM, 19 Becton, Box 3820, Te2-9261, Rt. 1, Box 227, Pinetown, NC
 Waters, William Bryan, GR, OIG, 112 Watauga, Box 3012, Te2-9447, Rt. 1, Box 126, Bath, NC
 Waters, William Dixon Jr., FR, ME, 365 Owen, Box 4576, Te4-9836, 1501 Gay St., Rocky Mount, NC
 Watkins, James Floyd, SO, AED, 43 Tucker, Box 4795, Te2-9186, Rt. 5, Raleigh, NC
 Watkins, John William, JR, CEC, 115 Alex., Box 4112, Rt. 1, Rockingham, NC
 Watkins, Richard Bennett, SO, FOR, 234 Bagwell, Box 3366, P.O. Box 487, Kannapolis, NC
 *Watkins, Rupert William, SR, AGE, P.O. Box 263, Fuquay Springs, NC
 *Watkins, Stanley Eugene, SR, EMA, 1217 Kent Rd., Te4-8637, 1217 Kent Rd., Raleigh, NC
 *Watson, Harry Lee III, SO, HAC, 707-A Daniels St., Te4-3354, 104 Fuller St., Whiteville, NC
 Watson, James Elwyn Jr., SO, NE, 109 Becton, Box 3709, Te2-9256, P.O. Box 6, Red Springs, NC
 Watson, James Felton Jr., SO, ME, 138 Tucker, Box 4648, Te2-9388, P.O. Box 164, Kenly, NC
 Watson, Jerrold Josiah, SO, NE, 1719 Park Dr., Te2-1626, 1718 Park Dr., Raleigh, NC
 Watson, Kenny Russell, FR, ME, 311 Syme, Box 3575, Te2-9222, 316 Granite St., Mt. Airy, NC
 Watson, Kent Emanuel, SO, LA, 309 Syme, Box 3573, Te2-9222, Rodunthe, NC
 Watson, Larry Wayne, JR, ME, 519 Gardner St., Te2-2189, 517 Charlotte Ave., Sanford, NC
 Watson, Thomas David, GR, ME, 112 Harrison Ave., Raleigh, Rt. 1, Moncreur, NC
 *Watson, William Randolph, 2402 Clark Ave., Apt. 5, Raleigh, NC
 Watterson, James Walter, SR, EE, 302 Welch, Box 3262, Te2-9119, P.O. Box 133, Guilford, NC
 Watts, Glenn Brawler Jr., SO, EE, 103 Tucker, Box 4618, Te2-9367, Rt. 2, Box 484, Huntersville, NC
 Watts, John Edward, JR, ME, 308 Berry, Box 4328, Te2-9363, 1532 Lynnbrook Dr., Charlotte, NC
 *Waynick, Howard Lewis, SO, EE, Rt. 4, Wicker's Trailer Prk., Raleigh, Rt. 1, Statesville, NC
 *Waynick, Jack Tillery, JR, EE, 21-G Vetteville, 709 Mayflower Dr., Greensboro, NC
 Weant, Marvin Eugene, SO, EE, 232 Syme, Box 3564, Te2-9150, Rt. 1, Box 140, Rockwell, NC
 *Weathersly, Robert Dalton, SR, AI, 3602 Wake Forest Rd., Durham, NC 46884
 *Weathers, Clyde Raymond, GR, AGC, 226 Union St., Cary, NC, Ho7-9268
 *Weaver, Jack Carroll, SO, EE, 2607 Barmettler St., Raleigh, NC
 Weaver, James Bruce, FR, CEC, Six Forks Rd., 1121, Raleigh, NC, Te2-4906
 Weaver, James Paul, SO, CE, 214 Turl., Te2-9297, 504 S. Pine St., Rocky Mount, NC
 Weaver, Royall Worth Jr., FR, EE, 103 Berry, Box 4303, Goldsboro, NC
 Weaver, Samuel Alvin, 520 Gardner St., Raleigh, NC, Te2-4110
 Weavil, Jeffrey Wayne, JR, AED, 106 Horne St., Te2-1887, Rt. 1, Liberty, NC
 Webb, Bruce Hilton, JR, AED, 302 Becton, Box 3770, Rt. 1, Stantonsburg, NC
 Webb, James Thomas, FR, ME, 52 Owen, Box 4586, Te2-9142, Rt. 3, Wadesboro, NC
 Webb, Richard H., GR, IPS, 162 Owen, Box 4453, Te2-9437, Mountain St., King's Mountain, NC
 *Webb, Walter Hoyle, SO, NE, 16 N. Boyland Ave., Te2-4073, Raleigh, NC
 Webb, William Frank, 216 Owen, Box 4471, Te2-9410, Rt. 2, Canler, NC
 Webber, Robert Clinton, SO, CE, 103 Chamberlain, Te3-6901, P.O. Box 336, Olivia, NC
 Weber, Andrew John, JR, WCM, 321 Syme, Box 3585, Te2-9222, Cream Ridge, NJ
 *Webster, Edgar Harry, JR, EE, Rt. 3, Raleigh, NC
 Webster, Henry Wise, SO, AI, 207 Owen, Box 4464, Te2-9410, Rt. 41, Shanwon, NC
 Webster, John Alvis, SO, EE, 16 Enterprise St., Rt. 3, Graham, NC
 *Webster, John Thomas, GR, EST, 1819 Smallwood Dr., Raleigh, NC
 *Webster, Robert Lee, JR, EE, 257 Pecan Rd., Raleigh, NC, Va8-2189
 Webster, Robert Penn, SO, IA, 21 Enterprise St., Te2-7840, Rt. 1, Stoneville, NC
 Webster, Shelby Jean, FR, MEA, 2706 Clark, Te4-3461, Ext. 326, Rt. 2, Madison, NC
 Weed, David Newkirk, SO, ARC, 308 Horne St., Te2-7050, 865 Tice Pl., Westfield, NJ
 Weeks, David Bert, SR, IRR, 102 Becton, Box 3702, Te2-9256, 602 Park Ave., Clinton, NC
 Weeks, Gordon Kenneth, SO, EE, 124 E. Park Dr., Te2-2420, 1010 E. Mulberry St., Goldsboro, NC
 Weeks, Joseph Terence, SO, ME, 125 Syme, Box 3525, Te2-9288, 1703 Longview Ave., Tarboro, NC
 Weidner, Raymond Ricedore, FR, ME, 67 Tucker, Box 4816, Te2-9186, 1060 Wendover Cir., Winston-Salem, NC
 Weinstein, David Franklin, SR, AG, 1720 Hillsboro, Te4-0451, 2400 McMillan Ave., Lumberton, NC
 Weiss, Arthur Bernhardt, JR, CHE, 201 Turl., Box 4232, Te2-9297, 41 Crest Dr., N. Cresskill, NJ
 *Welch, Charles Darrel, GR, Soils, 714 Runymede Rd., Te5-7757
 Welch, John Tunstall Jr., SO, EMA & EPY, 224 Tucker, Box 4695, Te2-9387, Oxford, NC
 Welch, Osmon Kenneth, SO, EE, 327 Alex., Box 4190, Te2-9348, High Point, NC
 Welch, Richard Vanneman, JR, FOM, 2314 Hillsboro, Raleigh, 2132 Wright Ave., Greensboro, NC
 Weldon, Raymond Thomas Jr., JR, TX, 237 Turl., Box 4262, Te2-9297, 119 Edgewood Dr., Henderson, NC
 *Welfare, Fred Welfare, GR, NE, UK-1 Vetteville, Raleigh, NC, Te3-4357
 *Welker, Larry Wyatt, SR, HAC, 343 Tucker, Box 4772, Te2-9323, 603 N. Mendenhall St., Greensboro, NC
 *Wellborn, William Frederick, SO, AGE, 427 Lamont St., Raleigh, NC
 Wellman, George Harmon Jr., JR, CHE, 3216 Bedford Ave., Te3-2473, 928 Maple Ave., Salisbury, NC
 *Wells, David Rudolph, Rt. 1, Garner, NC
 *Wells, George Edgar, JR, CE, 988 Peace Terr., Raleigh, NC, Te2-8216
 Wells, Otho Sylvester, FR, AG, 114 Tucker, Box 4625, Te2-9367, P.O. Box 153, Watha, NC
 Wells, William Burton, SR, CE, Enterprise St., Te2-4788, Rt. 2, Canton, NC
 *Wells, William T., GR, EST, 707-D Daniels St., Raleigh, NC, Te4-2007
 Welsh, Samuel Hubert Jr., SR, MED, 164 Tucker, Box 4671, Te2-9368, 605 E. 7th St., Lumberton, NC
 *Wentz, Charles H., SO, EE, 1022 Carlton Ave., Raleigh, 439 E. Pritchard St., Asheboro, NC
 Wessling, Wolfgang Heinrich, GR, GN, 3402 Hillsboro, Te2-6520, Clausthalerstr 9, Goslar, Germany
 *West, Bruce Lee, SO, IE, Wicker's Trailer Prk., Rt. 4, Raleigh, NC, Te2-4546
 *West, James Wright, SO, RS, 2550 Glennwood Ave., Apt. T, Raleigh, NC, Te4-6837

West, John Lewis, JR, PPT, 262 Owen, Box 4513, Te9410, Star Rt. 1, Plantersville, SC
 West, Robert Wayne, JR, CHE, 2209½ Hope St., Te4-3244, P.O. Box 35, Mars Hill, NC
 West, Thomas Elam, SR, AI, 122 Tucker, Box 4633, Te3-9388, Rt. 2, Nathalie, NC
 Westbrook, William H. L. III, JR, CHE, 209 Bagwell, Box 3341, Te2-9131, Gumberry, NC
 Westerbeek, Pieter Jan, JR, AGC, 103 Syme, Box 3903, Te2-9288, Rt. 1, Pinetown, NC
 Westmoreland, Bynum C., SR, WPM, 2405 Clark, Te2-6543, West Point, Va.
 *Westmoreland, Grover Washington, SO, AG, 3201 Ruffin St., Te3-0950, Rt. 1, Troutman, NC
 Westmoreland, Richard Prevette, SR, EMA, 2512 Clark, Te2-4843, 309 Spring St., Thomasville, NC
 Weston, William Albert, Jr., SO, WCM, 120 Avery St., Garner, NC, EM2-2161
 Wethington, Charles Allen, JR, ME, 319 E. Jones St., Va8-2154, P.O. Box 53, Grifton, NC
 Weznit, Roy D., SR, TX, 112 Turl., Box 4209, Te4-9279, Rt. 1, China Grove, NC
 Whaley, Edward Kendall, SO, CE, 320 Tucker, Box 4751, Te4-9739, P.O. Box 64, Richlands, NC
 Whaley, Roloph Marion Jr., SR, AED, 316 Watauga, Box 3034, Te2-9132, Rt. 2, Richlands, NC
 Whieker, Gaines Lorraine, SO, NE, 214 E. Forest Dr., Te2-8156, 303 Idlewood Dr., Kannapolis, NC
 *Whicker, Gene Thurmond, SR, EE, 108 Fourth, Box 3118, Te2-9159, Rt. 7, Winston-Salem, NC
 Whisnant, James Edward, SO, ME, 325 Alex., Box 4188, Te2-9349, 107 New St., Morganton, NC
 Whisenant, Richard Duke, FR, MEA, 114 Owen, Te2-9437, 104 Union St., Maiden, NC
 Whitaker, Dewey Richard, GR, CHE, 304 Welch, Box 3264, P.O. Box 425, Lake Junaluska, NC
 *Whitaker, Faison Young Sr., SR, ME, 18-F Vetville, Te4-8555, 1011 Minerva Ave., Durham, NC
 Whitaker, Thomas Burton, MEA, 1930 Alexander, Raleigh, NC
 *Whitaker, Wilson Cary, SR, IE, 2335 Lyon St., Raleigh, NC, Te2-6880
 Whitaker, Wilson Willis, FR, NE, 43 Owen, Box 4579, Te2-9142, P.O. Box 441, South Hill, Va.
 White, Charles Henry, SR, CE, 7 Beeton, Box 3809, Te2-9261, Rt. 2, China Grove, NC
 White, Clard Edwin, SO, CE, 328 Owen, Box 4543, Te4-9500, Rt. 3, Shelby, NC
 *White, David Boyce, SR, PPT, Wilson's Trailer Ct., Rt. 4, Raleigh, Rt. 1, Franklin, NC
 White, David Franklin, JR, EE, 302 Owen, Box 4519, Te4-9300, 218 Alspaugh St., Winston-Salem, NC
 White, Donald Milton, FR, CHE, 228 Beeton, Box 3762, 707 Lindell Rd., Greensboro, NC
 White, Gerald Bell, FR, AG, 142 Owen, Box 4443, Te2-115, Rt. 2, Statesville, NC
 White, Gerald McLain, SO, MTE, 326 Alex., Box 4189, Te2-9349, Rt. 527, Box 1138, Charlotte, NC
 White, Gerald Spencer, SO, AED, 14 Syme, Box 3610, Te2-2941, Rt. 1, Youngsville, NC
 White, Hampton Monroe, FR, 356 Owen, Box 4567, Te4-9836, 326 Person St., Fayetteville, NC
 White, Jas F. Jr., JR, ARC, 115 W. Park Dr., Raleigh, 1085 Vistavia Cir., Decatur, Ga.
 *White, Jesse Wade, SR, EE, 11-F Vetville, Te2-9117, Rt. 1, Walkertown, NC
 White, Joseph Rudolph Jr., FR, CE, 336 Tucker, Box 4766, Te2-9323, Rt. 1, Box 24, Colerain, NC
 *White, Kenneth Norman, JR, EE, 1905 Park Dr., Te2-4854, 2486 Patris St., Winston-Salem, NC
 White, Lewis Henry, SR, AED, 305 Watauga, Box 3041, Te2-9132, Norlina, NC
 White, Ormond Carol, FR, MEA, 226 Bagwell, Box 3358, Te2-9131, Rt. 3, Box 157, Windsor, NC
 White, Ralph Alexander, FR, TC, 109 Owen, Box 4406, Te2-9115, P.O. Box 129, Conover, NC
 White, Ronald Everett, FR, IE, 2509 Glenwood Ave., Te2-7486, Rt. 1, Box 303, Franklin, NC
 *White, Robert Harold, AI, 825 Young St., Va8-2033, Bladenboro, NC
 White, William Franklin, JR, ME, 108 Bagwell, Box 3308, Te4-9219, 430 Sugaw Creek Rd., W. Charlotte, NC
 Whitehurst, William Larry, JR, AG, 2209½ Hope St., Te4-3244, P.O. Box 18, Stokes, NC
 Whitehurst, Charles McLawhorn, 117 Beeton, Box 3717, Te2-9256, Rt. 1, Box 313, Ayden, NC
 Whitehurst, Hilton David, Te4-5822, 3210 Burns Place, Raleigh, NC
 Whitehurst, Kenneth Nicholson, SO, AG, 205 Alex., Box 4137, Te4-9746, Black Bay, Va.
 Whitehurst, William Morgan, SR, MAG, 134 Bagwell, Box 3402, Te4-9219, Rt. 2, Robersonville, NC
 Whiteside, Daniel Lee, FR, MEA, 7 Berry, Box 4340, Te2-9350, 2012 Ave. O, Huntsville, Texas
 *Whitesides, Grier Elliott, SO, NE, 109 Syme, Box 3509, Te2-9288, Rt. 4, Lincolnton, NC
 Whitesides, Robert Wayne, FR, TC, 331 Owen, Box 4546, Te4-9300, Rt. 1, Kings Mountain, NC
 Whitford, Larry Bertram, SO, ARC, Box 5186, Te3-6329
 *Whitley, Charles Brown Jr., FR, AGC, 132 Woodburn Rd., Te3-0083, Rt. 9, Box 237, Charlotte, NC
 Whitley, David Baker, FR, EE, 304 Beeton, Box 3772, Te2-9372, 323 N. Harvey St., Washington, NC
 Whitley, John Bruce, SO, AGE, 132 Woodburn Rd., Raleigh, Rt. 9, Box 237, Charlotte, NC
 Whitman, Hobart Augustus III, JR, EE, College Infirmary, Te2-7615, 28 Tacoma St., Asheville, NC
 Whitman, Richard Norwood, JR, EE, 126 Bagwell, Box 3326, Te4-9219, 1023 S. Hawthorne, Winston-Salem, NC
 Wicker, Russell Garrett, SO, EE, 301 Owen, Box 4518, Te4-9836, 3703 Madison, Greensboro, NC
 *Wiess, Richard Antion, GR, Soils, UK 24 Vetville, Te3-1107, Raleigh, NC
 *Wiggins, Charles Bryan, 719 Chamberlain St., Raleigh, NC, Te2-0441
 *Wiggins, Forrest Steve, JR, TX, 159 Owen, Box 4450, Te2-9437, Rt. 1, Louisburg, NC
 *Wiggins, Mable Ann, UN, ED, 119 Brooks Ave., Raleigh, NC, Te3-7981
 *Wiggins, Robert Earl, GR, TXM, 119 Brooks Ave., Raleigh, NC, Te3-7981
 Wilcox, Merrill, GR, AGY, 303 Gold, Box 3227, Te2-9263, 552 Scientist's Cliffs, Port Republic, Md.
 Wilder, Albert Green, FR, REC, 209 Berry, Box 4316, Te2-9363, 909 Morehead Ave., Greensboro, NC
 Wilder, Bobby Gene, JR, SED, 308 Horne St., Te2-7050, P.O. Box 414, Wendell, NC
 *Wilder, Hugh Braxton, UN, AG, 2503½ Everett Ave., Te3-1658, Rt. 1, Selma, NC
 *Wilder, James Reuben, JR, REC, Rt. 5, Raleigh, NC, Te3-6982
 Wilder, Jimmy Clifton, FR, TX, 305 Beeton, Box 3773, Te2-9372, Rt. 2, Middlesex, NC
 Wilder, John Welles Jr., FR, ME, 209 Berry, Box 4316, Te2-9363, 909 Morehead Ave., Greensboro, NC
 Wilder, Manly Smith, FR, AG, 315 Beeton, Box 3783, Te2-9372, Rt. 2, Middlesex, NC
 Wiley, Albert Lee, SR, NE, 2512 Clark, Raleigh, P.O. Box 41, Acme, NC
 Wiley, William R., 120½ Groveland Ave., Raleigh, Te3-8037, 116 River Rd., Washington, NC
 Wilfong, Albert Corpening, JR, ME, 226 Syme, Box 3558, Te2-9150, P.O. Box 163, Claremont, NC
 Wilfong, Harvey Linn, FR, NE, 301 Owen, Box 4518, Te2-9410, 109 2nd Ave. N.W., Hickory, NC
 Wilfong, Jay F., FR, AG, 305 Owen, Box 4522, Te2-9464, Rt. 1, Newton, NC
 *Wilhelm, William Ray, SR, AGC, C-2 Country Club Homes, Te4-8821, Rt. 1, Mount Ulla, NC
 Wilkerson, Charles Vernon, FR, AGE, 222 Tucker, Box 4693, Te2-9387, Rt. 4, Roxboro, NC
 Wilkes, Eddie Campbell, JR, TX, 64 Owen, Box 4598, Te2-9142, P.O. Box 722, Asheboro, NC
 Winfrey, Henry Gray, JR, AGE, 2715, Barmettler, Raleigh, Rt. 7, Greensboro, NC
 Wilkie, Jack Edward, SO, EE, 127 Turl., Box 4224, Te4-9279, 655 S. Waldo, Valdese, NC

Wilkie, William Howard Jr., JR. NE. 14 Becton, Box 3816, Te2-9261, Skyland, NC
 Wilkins, Davison Heriot, SR, AED, 315 Watauga, Box 3051, Te2-9132, Rt. 1, Linden, NC
 Wilkins, Donald Monroe, GR, IPS, 203 Chamberlain, Te2-2181, 316 S. York St., Gastonia, NC
 Wilkins, Jesse Bradshy, SR, IA, 512 N. Pinewind, Goldsboro, NC
 Wilkins, Robert Ledbetter, UN, GS, 3812 Sherman Ave., Te2-3730, 1408 Morganton Rd., Fayetteville, NC
 Wilkinson, Michael Weston, FR, FOR, 203 Alex., Box 4195, Te4-9746, 113 N. Patterson St., Statesville, NC
 *Wilkinson, Teddy Adrian, FR, EE, 3821 Western Blvd., Raleigh, NC, Te2-2968
 *Wilkinson, William Deems, GR, EE, 2710^{1/2} Everette Ave., Raleigh, NC, Te3-7140
 *Willard, Charles Grayson, GR, CE, Box 5511, Va8-2176, 2318 McMullan Cir., Raleigh, NC
 Willard, Marion Wesley, JR, EE, 125 Alex., Box 4120, Te2-9257, 2441 Marble St., Winston-Salem, NC
 Williams, Benjamin Franklin, GR, OIG, 212 Gold, Box 3224, Te2-9263, 911 Lancaster St., Rocky Mount, NC
 Williams, David Michael, SR, EE, 2316 Hillsboro, Te4-4173, 806 La Roque, Kinston, NC
 *Williams, Donald David, SR, AED, 10-F Verville, Te2-8496, Rt. 3, Box 269-A, Tabor City, NC
 Williams, Ellis Stuart, SO, MEA, 16 Becton, Box 3818, Te2-9261, 309 South St., Ahoskie, NC
 Williams, George Gerald, SO, IE, 308 Horne St., Dorchester Ave., Asheville, NC
 Williams, George Perry, JR, GEE, 2512 Clark, Te2-4843, Fairmont, NC
 Williams, Hartsell Franklin, FR, MEA, 57 Tucker, Box 4807, Te2-9186, 204 Pine St., Morganton, NC
 Williams, Herman Adam, JR, AED, 316 Becton, Box 3782, Te2-9372, Rt. 2, Wadesboro, NC
 *Williams, Hobert Earl, 3515 Neil St., Raleigh, NC, Te2-3619
 Williams, Howard Eugene, FR, MTE, 333 Tucker, Box 4764, Te2-9923, 2314 Wilson St., Durham, NC
 Williams, James Andrew, JR, MEA, 323 Tucker, Box 4754, Te4-9323, 1013 E. 6th St., Lumberton, NC
 Williams, James Andrew, JR, NE, 205 Owen, Box 4462, Te2-9410, Park Blvd., Marion, Va.
 *Williams, James Dearl, JR, AED, Rt. 6, Box 275, Raleigh, NC, Te4-4416
 Williams, James Grey, SO, ME, 18 Syme, Box 3614, Te2-9421, P.O. Box 21, Bunn, NC
 Williams, James Franklin, FR, EE, 162 Tucker, Box 4669, Te2-9388, 502 Fairview Dr., Lexington, NC
 *Williams, James Stanley, 2614 Kilgore Ave., Raleigh, NC
 Williams, James Robert, FR, EE, 114 Turl., Box 4211, Te4-9279, 610 Salisbury St., China Grove, NC
 Williams, James Speed, EE, 302 Turl., Box 4267, Te2-9192, c/o Smith Bros. Store, Rt. 2, Durham, NC
 Williams, Jerry Otway, FR, E, 326 Bagwell, Box 3302, Te4-9151, 1441 Perkin St., Alcoa, Tenn.
 Williams, John R. Jr., 2514 Clark, Te3-4522, Grand Oaks, Halifax, Va.
 *Williams, Joseph Howard, 1608 Bickett Blvd., Raleigh, Bealville, NC
 Williams, Joseph Luther, SR, AED, 2718 Clark, Te2-6451, Rt. 1, Rose Hill, NC
 *Williams, Lewis Arnold, FR, EE, 130-H Cox Ave., Raleigh, NC
 Williams, Milton Gay Jr., FR, CHE, 213 Becton, Box 3747, Te2-9334, 703 Edwards Ave., Kinston, NC
 Williams, Phillip Russell, FR, EE, 229 Becton, Box 3793, Te2-9334, Rt. 7, Box 107, Fayetteville, NC
 Williams, Ralph Pearson, SR, ME, HAC, 2214 Hillsboro, Te3-4106, 130 Dorchester Ave., Asheville, NC
 Williams, Richard Thomas, JR, EPY, 3216 Bedford Ave., Te3-2473, 1908 Sterling Rd., Charlotte, NC
 Williams, Robert, SO, ME, 110 Welch, Box 3246, Te2-9119, 107 Evelyn Pl., Asheville, NC
 Williams, Robert Christopher III, SO, EPY, 161 Owen, Box 4452, Te2-9437, 202 Rabon St., Concord, NC
 Williams, Robert Corn, FR, EE, 232 Bagwell 3398, Te4-9151, Rt. 1, Box 30, Cleveland, NC
 Williams, Robert Keith, SO, ME, 203 Tucker, Box 4676, Te2-8793, Rt. 1, Newton Grove, NC
 *Williams, Robert Lee, SR, ME, 6-D Verville, Te2-1696, 707 W. Marion St., Shelby, NC
 Williams, Robert Strange Jr., SR, AED, 315 Watauga, Box 3051, Te2-9132, Rt. 1, Erwin, NC
 *Williams, Samuel, Paul, GR, OIG, 1825 White Oak Rd., Te4-6896, 1520 Orange St., Wilmington, NC
 Williams, Snyder Franklin, SO, AG, 104 Becton, Box 3704, Te2-9256, Rt. 1, Rose Hill, NC
 Williams, Thomas Harold Jr., 317 Oberlin Rd., Raleigh, NC, Te2-0229
 Williams, Vaughn McKay, FR, CE, 247 Tucker, Box 4714, Te2-9387, Rt. 1, Box 47, Madison, NC
 Williams, Walter Bruce, FR, IE, 1015 Brooks Ave., Raleigh, NC, Box 5485, Te2-2191
 Williamson, Alvin Barrett, FR, ARC, 105 Tucker, Box 4619, Te2-9388, 1502 1st St., Asheville, NC
 Williamson, Donald Hugh, SR, AED, 106 Welch, Box 3242, Te2-9119, Rt. 2, Lucama, NC
 Williamson, Huey Eugene, SR, AGE, 106 Welch, Box 3242, Te2-9119, Rt. 2, Lucama, NC
 Williamson, John Hybert, SO, PSC, 327 Owen, Box 4542, Te2-9464, Rt. 1, Clarkton, NC
 *Williamson, Wayne T., GR, DM, 209 Polk Hall, Ext. 319, 405 Calvin Rd., Raleigh, NC
 Willard, Kellis V., SR, IE, 2572 Clark, Te2-4843, 200 Circle Ave., Charlotte, NC
 Willis, Charles Arthur, SR, CE, Box 3254, Te2-9119, 312 Ideal Way Ext., Charlotte, NC
 *Willis, David Clarke, Dept. of Chem., 1209 Downing Rd., Raleigh, NC
 Willis, Jerry Talmadge, JR, AI, 4700 Hillsboro, Te2-9763, Rt. 3, Lawndale, NC
 Willis, Ronald Lee, SO, ME, 141 Tucker, Box 4651, Te2-9367, 102 Turner St., Spray, NC
 Willson, Horace Smythe, FR, IE, 518 Cleveland St., Raleigh, NC, Te3-1565
 Willson, Joseph Carter, FR, GS, 518 Cleveland St., Raleigh, NC, Te3-1565
 Wilson, Donald Paul, SO, CE, 229 Tucker, Box 4700, Te2-9387, Rt. 3, Box 152, Shelby, NC
 Wilson, Edwin Vance, JR, IA, 110 Gold, Box 3210, Te2-9263, P.O. Box 226, Neha, NC
 Wilson, Fred Eugene, SO, TC, 321 Becton, Box 3789, Te2-9372, 505 Parkway, High Point, NC
 Wilson, George Conrad, SO, ME, 260 Owen, Box 4511, Te2-9410, 1317 Anderson St., Charlotte 5, NC
 Wilson, Harold Dickinson, FR, CHE, Te2-2044, 901 Wilmington Terr., Raleigh, NC
 Wilson, Jerry Morris, FR, ARC, 204 Bagwell, Box 3336, Te4-0935, Rt. 1, Walkertown, NC
 *Wilson, Jimmie Rupert, FR, CHE, P.O. Box 638, Cary, NC, Ho7-3952, Rt. 5, Box 336, Hendersonville, NC
 *Wilson, John H. Jr., GR, PP, 205 Gold, Box 3217, Te2-9263, Rt. 4, Box 186, Oxford, NC
 Wilson, Joseph Fred, FR, NE, 11 Syme, Box 3607, Te2-9421, C.M.R. 144, Box 389, Charlotte, NC
 Wilson, Larry Franklin, SO, SED, 119 Syme, Box 3519, Te2-9288, Rt. 2, Apex, NC
 Wilson, Larry Kelly, JR, IE, 2513 Clark, Box 5656, Rt. 2, Burlington, NC
 *Wilson, Neil Carver, FR, EE, 903 Tower St., Raleigh, NC
 *Wilson, Olin Everette, SR, TC, C8A Cameron Ct. Apts., Raleigh, NC, Te4-6177
 Wilson, Robert Eugene, FR, NE, 209 Welch, Box 3257, Te2-9119, Rt. 2, Lawndale, NC
 Wilson, Thomas Lee, SO, CEC, 123 Bagwell, Box 3323, Te4-9219, 240 N. Mulberry St., Statesville, NC
 *Wilson, Walter Hugh Jr., FR, AG, 2407 Clark, Raleigh, 1542 Overbrook Ave., Winston-Salem, NC
 *Wilson, William Levi, SR, CHE, 201^{1/2} Pine St., Te3-9338, Rt. 5, Asheville, NC
 Wilson, William Oliver, FR, LA, 21 Enterprise, Raleigh, Stoneville Rd., Leaksville, NC
 Wilson, William Theodore, SO, CE, 305 Bony, Box 4325, 309 Belmont, Windsor, NC
 Winchell, Alan M., SR, CHE, 109 Turlington, Box 4206, Te4-9279, Rt. 1, Windsor, NY
 Winder, William Tucker, JR, IE, 204 Welch, Box 3252, Te2-9119, P.O. Box 370, Hendersonville, NC

Windley, Franklin David, SR, IE, 114 Becton, Box 3714, Te2-9256, Rt. 1, Box 26, Bath, NC
 *Windley, William Thomas, FR, EE, 2815, Bedford Ave., Raleigh, NC, Te4-3047
 Winfield, Ottis Milligan Jr., SR, EE, 2601 Clark, Te2-8631, P.O. Box 106, Washington, NC
 *Wingate, Clarence Alexander Jr., GR, ME, 701-B Daniels, Raleigh, NC, Va8-2086
 *Winkler, Billy McCoy, SO, EE, 804 Peace Terr., Raleigh, NC, Te3-9870
 Winkler, Donald George, JR, FOR, 57 Owen, Box 4591, Te2-9142, Pottersville Rd., Chester, NJ
 *Winn, Wendell Sterling, GR, PY, 2817 Kittrell Dr., Raleigh, NC, Va8-2013
 Windlow, Allen Powers, FR, ME, 132 Tucker, Box 4643, 20-A Lindley Rd., Guilford, College, NC
 Winstead, Ann Kay, GR, ED, 845 Bryan St., Te4-7285, Wendell, NC
 Winstead, Harold Roger, FR, AG, 350 Owen, Box 4561, Te4-9836, Rt. 3, Nashville, NC
 Winstead, Harry Wharton Jr., FR, NE, 212 Welch, Box 3260, Te2-9119, P.O. Box 159, Woodsdale, NC
 Winstead, Kermit Marshall, SR, ME, 117 Forest Rd., Te3-4090, Rt. 8, Sanford, NC
 Winston, Robert Janadus, JR, AED, P.O. Box 205, Youngsville, NC, Ex5-2379
 Wise, George Frederick, FR, IRR, 319 Owen, Box 4562, Te4-9836, 307 1/2 Reed St., Clearfield, Pa.
 Wiseman, Mose Brown Jr., FR, AGE, 333 Owen, Box 4548, Te4-9300, Rt. 8, Box 99, Salisbury, NC
 *Witcher, Wesley, GR, PP, 3515 1/2 Neil St., Raleigh, NC, Te4-1639
 *Withers, James Clifford, JR, AED, 117-A Woodburn Rd., Raleigh, Rt. 3, Lillington, NC
 Witherspoon, David Harlan, FR, NE, 332 Owen, Box 4547, Te4-9300, P.O. Box 583, Rutherford College, NC
 Witzke, Christian Heinrich III, SO, EE, 2513 Clark, Box 5655, Te2-0268, 403 Westover Ave., Wilson, NC
 *Wobbleton, Bill Reuben, SO, GEE, 204 Park Ave., Raleigh, Rt. 3, Williamston, NC
 Wojeicki, Ronald, FR, EE, 319 Becton, Box 3787, Te2-9372, 98 S. 26th St., Pittsburgh 3, Pa.
 Wolf, Enrique, TX, 211 Becton, Box 3F45, Te2-9334, Fedrico Villarreal 385, Lima, Peru
 Wolfe, Jared Dunn, FR, FOR, 357 Owen, Box 4568, Te4-4300, 152 Rambling Way, Springfield, Pa.
 Wolfe, Stephen Payton, SO, EPY, 340 Turl., Box 4298, Te2-9192, Jamesville, NC
 Wolfer, Robert Conard, FR, IA, 258 Tucker, Box 4785, Te2-9323, 319 S. 4th St., Pekin, Ill.
 Womack, Robert Reid, JR, MEA, 218 Becton, Box 3752, Te2-9334, P.O. Box 509, Franklin, NC
 Womble, Russell Barnhardt, FR, WCM, 224 Bagwell, Box 3356, Te2-9131, 539 Summit Dr., Sanford, NC
 *Womick, Robert Louis, SR, TX, 24-B Vetville, Te2-9290, Rt. 2, Rutherfordon, NC
 Woo, Kuo Chuan, GR, EST, Box 5393, Te4-5211, Ext. 416, 6 Hawthorn Rd., Hong Kong
 Wood, Elliott Sherrill, FR, FMM, 210 Tucker, Box 4683, Te2-9387, Rt. 3, Sedgfield, Greensboro, NC
 *Wood, Gerald H., JR, AED, Rt. 5, Raleigh, NC, Te4-3557
 *Wood, Harvad Ashburn, SR, MEA, 909 Peace Terr., Te4-9480, Enfield, NC
 Wood, James McConnell, SO, GEE, 2407 Clark, Te2-2480, 1407 Noland Rd., Falls Church, Va.
 *Wood, Stacey Allen, SO, ME, Va8-2260, 404 Guilford Cir., Raleigh, NC
 Wood, Thomas B., SR, FOM, 118 Tucker, Box 4629, Te2-9388, 410 Aberdeen Dr., Greenville, SC
 Wood, Thomas John, SO, IE, 110 E. Park Dr., Te4-4245, 416 Main St., Raeford, NC
 *Woodall, Hunter McGuire Jr., SR, IE, 406 1/2 Chamberlain St., Te3-5316, 1922 Sunset Dr., Raleigh, NC
 *Woodall, Zebulon Royce, 18-G Vetville, Raleigh, Benson, NC
 Woodard, Henry Harrison, JR, EE, 229 Syme, Box 3561, Scotland Neck, NC
 *Woodard, Joseph Walter, JR, AED, Te4-3972, 210 Cox Ave., Raleigh, NC
 *Woodard, Ollie Clifton, SR, EE, 217 Hawthorne Rd., Te4-9533, Rt. 1, Spring Hope, NC
 Woodard, Robert Earl, SO, MEA, 210 Owen, Box 4467, Te2-9410, Rt. 1, Princeton, NC
 *Woodard, Thomas Holland, UN, CH, 907 Wade Ave., Garner, NC
 Woodhall, Colman Barnes, JR, NE, 113 Turl., Box 4210, Te4-9279, 4006 Dover Rd., Durham, NC
 Woodley, Glenn Walker, SR, AGC, 224 Owen, Box 4479, Te2-9410, Rt. 1, Box 10, Columbia, NC
 Woodlief, T. C., JR, AED, 814 Wilmington Terr., Raleigh, NC
 *Woodruff, James Raymond, SR, Soils, 433 Halifax St., Raleigh, NC, Te2-7406
 Woods, Alvin Edwin, GR, DM, 803 W. Lenior St., Raleigh, Rt. 5, Murfreesboro, NC
 Woodside, Robert M., JR, NE, 103 Tucker, Box 4618, Te2-9388, 9 Bagby St., Staunton, Va.
 Woodard, Gerald Jordan, SO, NE, 304 Berry, Box 4324, 301 1st. St., Leaksville, NC
 *Woodard, Gerald Jordan, JR, IA, 205 Grand Ave., Raleigh, NC, Te3-4081
 Woolf, David V., SR, WPM, 325 Turl., Box 4287, Te2-9192, 1502 Mott Ave., Far Rockaway, 91, NY
 Wooten, Jimmy Luther, JR, AI, 219 Becton, Box 3753, Te2-9334, Walstonburg, NC, Rt. 2
 Wooten, Joe Franklin, FR, IRR, 339 Owen, Box 4553, P.O. Box 524, Dallas, NC
 Woppman, Richard Alen, SO, CHE, 322 Turl., Box 4284, Te2-9192, 4522 Tenwick Ct., Charlotte, NC
 Word, Leonard Michael, FR, ME, 323 Becton, Box 3791, Te2-9372, 4000 Dogwood Dr., Greensboro, NC
 *Worley, Ray Edward, GR, FC, 400 Parnell St., Te2-5127, Rt. 1, Robbinsville, NC
 *Worsham, Arch Douglas, GR, FC, 1611 1/2 Oberlin Rd., Te4-1864, Rt. 2, Culloden, Ga.
 *Worthington, Barbara M., U-1 Country Club Homes, Raleigh, NC
 Worthington, David Jun, SR, TX, 540 Owen, Box 4588, Te2-9142, Princeton, NC
 Worthington, Lloyd Burton Jr., JR, EE, 54 Owen, Box 4588, Te2-9142, 402 E. Cooper St., Winterville, NC
 Wrag, Stough Alexander, SO, CE, 108 Berry Box 4344, Te2-9363, 920 W. Elm St., Shelby, NC
 *Wright, Bobby Gordon, SR, AED, Rt. 6, Box 23, Raleigh, NC, Te4-0471, Rt. 3, Tabor City, NC
 *Wright, Charles Gerald, GR, ENT, Becton Dorm. Apt., Box 3732, P.O. 5215, Raleigh, NC
 *Wright, Edgar E. Jr., FR, EE, 307 Becton, Box 3775, Te2-9372, 1001 Spencer Ave., Gastonia, NC
 Wright, James A., Box 5563 State College Sta., Ext. 478
 Wright, Julian Hugh, FR, ME, 232 Tucker, Box 4703, Te2-9387, 308 W. Cen. Ave., Raeford, NC
 Wright, Owen Davis, SO, TC, 237 Turl., Box 4262, Te2-9297, Rt. 3, Box 26, Henderson, NC
 Wright, Paul William Jr., SR, NE, 1218 Glenwood Ave., Raleigh, 1335 Lafayette Ave., Charlotte, NC
 Wright, Richard Grady, SR, CE, 2314 Hillsboro, Te3-4106, 117 24th St., Winston-Salem, NC
 *Wright, Walton Reid, SO, NE, 812 Peace Terr., Te3-0214, Rt. 3, N. Wilksboro, NC
 Wrightenberry, Jerry Oliver, 314 Tucker, Box 4745, Te4-9739, 214 Rolling Rd., Burlington, NC
 *Wuamett, Stephen Cole, SR, CE, 1508 Frank St., Raleigh, Rt. 2, Cleveland, NC
 Wyatt, William Richard, SR, ME, 115 Watauga, Box 3015, Te2-9447, 513 W. Clemmons, Winston-Salem, NC

Yagei, Iuan C., 139 Purefoy Rd., Chapel Hill, NC

*Yager, Daniel Duane, SR, IE, 26-E Vetville, Te2-7927, Raleigh, NC

Yamamoto, Willy German, UN, IE, 2724 Clark, Box 5261, 275 Fco. De Miranda, La Paz-Bolivia
 Yancey, J. C., SR, TC, 125 $\frac{1}{2}$ Woodburn Rd., Raleigh, 326 Caldwell Ave., Newton, NC
 *Yandle, David Owen, GR, EST, 1050 Nichols Dr., Te3-7578, 521 Melbourne Ct., Charlotte, NC
 *Yarber, Norman Gray, SR, TX, 35-A Vetville, Raleigh, NC, Te4-2011
 Yarbrough, Philip Pershing, SO, MEA, 204 Tucker, Box 4377, Te2-9387, 225 E. 10th Ave. Extn., Lexington, NC
 Yarbrough, George William, 2514 Clark, Te3-4522, 520 E. Cemetery St., Salisbury, NC
 Yates, Joseph Louis, JR, CE, 103 Turl., Box 4202, Te4-9279, Rt. 5, Apex, NC
 *Yawn, Charles Cleveland, SR, CHE, 130 B Cox Ave., Raleigh, NC
 *Yeh, Cheng Shin, GR, NE, 203 Gold, Box 3215, No. 1, Lane 61, Yung-Kong St., Taipei, Taiwan (Formosa), China
 *Yezverton, R. L. Jr., UN, ME, 701 Brooks Ave., Raleigh, NC, Te4-4179
 Yionoulis, Stevie Mike, JR, E, MA, 337 Turl., Box 4296, 805 W. Nash St., Wilson, NC
 Yoder, Paul Eugene, JR, IE, 715, N. Blount St., Te4-3171, 2105 Hoover St., Winston-Salem, NC
 Yopp, James Dennie, FR, CHE, 233 Bagwell, Box 3365, Te2-9131, 9 Northern Blvd., Wilmington, NC
 *York, Kennis Raymond Jr., SR, EE, 204 Watauga, Box 3022, Te2-9132, Rt. 4, Box 247-A, Asheboro, NC
 *York, James Alvin, SR, IE, 931 Peace Terr., Raleigh, NC
 York, James Wesley Jr., FR, CEC, 1904 Craig St., Raleigh, NC, Te2-7481
 Yorke, Charles Alvin, FR, CE, 130 Tucker, Box 4641, Te2-9388, Rt. 3, Concord, NC
 *Yoshihiro, Kubota, GR, TX, 221 Forest Rd., Te2-5074, 2-443 Nishiochiai Shinjuku, Tokyo, Japan
 *Young, Charles Wesley, GR, AI, UK-30 Vetville, Raleigh, NC, Te2-0462
 Young, Henry Jerone III, JR, IE, 1710 Hillsboro, Te4-2001, 514 Queens Ct., Statesville, NC
 Young, Jerry Wesley, GR, AI, 237 Owen, Box 4491, Te2-9252, Rt. 1, Mulberry, Tenn.
 Young, Jimmy Allen, SO, TX, 321 Syme, Box 3585, Te2-9222, Rt. 1, Jamestown, NC
 Young, Joseph Earl, Not in residence
 Young, Nelson Worsham, FR, ME, 123 Owen, Box 4418, Te2-9437, Reidsville, NC
 Young, Sam Franklin Jr., SO, AGE, 24 Becton, Box 3825, Te2-9261, Pine Hall, NC
 Youngblood, Doag Stuart, FR, ME, 322 Syme, Box 3586, Te2-9222, 3536 Draper Ave., Charlotte, NC
 *Younger, Ronald Lee, FR, FOR, 231 Alex., Box 4160, Te4-9746, 804 Forest St., Lynchburg, Va.
 Yount, Charles Mitchell, FR, Rt. 3, Raleigh, NC, P.O. Box 1574
 Yount, Robert Keith, FR, EE, 209 Alex., Box 4139, Te4-9746, Rt. 1, Conover, NC
 Younts, Charles Richard, JR, Soils, 2100 Hillsboro, Te4-6094, Rt. 2, Lexington, NC
 *Younts, Robert Wade, Roedey Creek Trailer Ct., Raleigh, Ray St., Spray, NC
 Yow, John Samuel, JR, DM, 2718 Clark, Te2-6451, 3101 Yow Rd., Greensboro, NC
 Yow, Larry Monroe, JR, TX, 110 Watauga, Box 3010, Te2-9447, Rt. 1, New London, NC
 Yu, Pao-Lo, GR, EST, 203 Groveland Ave., Te2-6861, 15 Lane 872 Kangting Rd., Shanghai, China
 Yuceyar, Ibrahim, P.O. Box 5701 College Sta., Tarimsokak No. 20, Barnova-izmir-Turkey
 Yujuico, Alejandro Landicho, SR, TX, 304 E. Park Dr., Te2-7638, 32 Victoria Ave., Quezon City, Philippines
 Zachary, Claude Ross Jr., JR, ME, 358 Owen, Box 4569, Te4-9836, 1446 Cyrus Dr., Charlotte, NC
 Zaki, Ramzi Mohamed, 119 Mason Farm Rd., Chapel Hill, NC
 *Zeiler, James Rupert, FR, TX, 115 Turl., Box 4212, Te4-9479, 1126 Marshall St., Roanoke Rapids, NC
 Zeller, Theodore Sanford, SO, AI, 3812 Sherman Ave., Te2-3730, 131 Winthrop Rd., Columbus, Ohio
 Zorbalas, George Spiros, GR, EE, 204 Gold, Box 3216, Te2-9263, 1701 Rhem Ave., New Bern, NC
 *Zuraw, Edward A., GR, DM, Te3-5655, 2702 Mayview Rd., Raleigh, NC
 *Zubizarreta, Ihnario M., FR, ARC, 1325 Chester Rd., Box 5003, Oeste 10, No. 3, Apt. A, Caracas, Venezuela

TELEPHONE DIRECTORY

N. S. State College P.B.X.	TE 4-5211
State Capitol P.B.X.	TE 4-3611
Ambulance	TE 2-8839, TE 2-7743
Infirmery	TE 2-7615
Fire Department	TE 2-7733
Police Department	TE 4-5261

College

Agriculturist	Ext. 331
Agromeck	TE 2-9909
Athletic Department	TE 2-2407
Alumni Office	Ext. 252
Coliseum, Wm. Neal Reynolds ..	Ext. 411
College Cafeteria	TE 3-4825
College Union ..	TE 4-7318 and Ext. 378
Dormitory Rentals	Ext. 349
Laundry	Ext. 283
News Bureau	Ext. 253
Power Plant	Ext. 234
Nights and Sundays ..	TE 3-8528
Registration Office	Ext. 219
Sports Publicity Office	TE 3-5620
Student Activities	Ext. 370
Division of Student Affairs ...	Ext. 456
Student Aid and Employment ...	Ext. 460
Student Government	TE 2-8738
Student Housing	Ext. 434
Student Personnel Office	Ext. 224
Student Supply Stores	TE 2-3674
Technician	TE 2-4732
Textile Forum	TE 2-0840
Wolfpack Club	TE 4-2241
WVWP Radio Station	TE 2-7861
YMCA	TE 2-7184 and Ext. 202

Vetville

Manager's Office, UK-5	TE 2-4306
Southeast Area by UK-35	TE 2-9282
North Area, East End of Apt. 6	TE 2-9117
South Area,	
West End of Apt. 32	TE 2-9219
West End of Apt. 25	TE 2-9290
West End of Apt. 34	TE 2-9498

Dormitories

Alexander, 1st Floor	TE 2-9257
Alexander, 2nd Floor	TE 4-9746
Alexander, 3rd Floor	TE 2-9349
Bagwell, 1st Floor	TE 4-9219
Bagwell, 2nd Floor	TE 2-9131
Bagwell, 3rd Floor	TE 4-9151
Becton, Basement	TE 2-9261
Becton, 1st Floor	TE 2-9256
Becton, 2nd Floor	TE 2-9334
Becton, 3rd Floor	TE 2-9372
Berry, Basement	TE 2-9350
Berry, 2nd Floor	TE 2-9363
IDC, 107 Berry	Ext. 348
East Stadium	TE 4-9803
Fourth	TE 2-9159
Gold	TE 2-9263
Owen, Basement	TE 2-9142
Owen, 1st Floor ..	TE 2-9437 & TE 2-9115
Owen, 2nd Floor ..	TE 2-9410 & TE 2-9252
Owen, 3rd Floor ..	TE 4-9836 & TE 4-9300
Syme, Basement	TE 2-9421
Syme, 1st Floor	TE 2-9288
Syme, 2nd Floor	TE 2-9150
Syme, 3rd Floor	TE 2-9222
Tucker, Basement ..	TE 4-9254 & TE 2-9186
Tucker, 1st Floor ..	TE 2-9367 & TE 2-9388
Tucker, 2nd Floor	TE 2-9387
Tucker, 3rd Floor ..	TE 4-9739 & TE 2-9323
Turlington, 1st Floor ..	TE 4-9279
Turlington, 2nd Floor ..	TE 2-9297
Turlington, 3rd Floor ..	TE 2-9192
Watauga, 1st Floor	TE 2-9447
Watauga, 2nd Floor	TE 2-9132
Welch	TE 2-9119

Fraternities

IFC, 1710 Hillsboro St.	TE 4-2001
Alpha Gamma Rho,	
2718 Clark Ave.	TE 2-6451
Farm House, 2100 Hillsboro St.	TE 4-6094
Kappa Alpha, 1710 Hillsboro St.	TE 4-2001
Kappa Sigma, 2612 Clark Ave ..	TE 2-9484
Lambda Chi Alpha, 222 Hillcrest	TE 2-3429
Phi Epsilon Pi,	
130 Hawthorne Rd.	TE 4-7325
Phi Kappa Tau, 308 Horne St. ..	TE 2-7050
Pi Kappa Alpha,	
1720 Hillsboro	TE 4-0451
Pi Kappa Phi, 7 Enterprise	TE 4-0435
Sigma Alpha Epsilon,	
3413 Hillsboro St.	TE 3-4808
Sigma Alpha Mu,	
304 E. Park Dr.	TE 3-0453
Sigma Chi, 2514 Clark Ave.	TE 3-4522
Sigma Nu, 1620 Hillsboro St. ...	TE 2-9531
Sigma Phi Epsilon,	
2512 Clark Ave.	TE 2-4843
Sigma Pi, 2513 Clark Ave.	TE 2-0268
Tau Kappa Epsilon, 2405 Clark ..	TE 2-6543
Theta Chi, 103 Chamberlain	TE 3-6901

FREQUENTLY CALLED OFF-CAMPUS NUMBERS

Meredith College

(Regulations—students may not use telephone between 7:30 and 10:00 p.m. week nights, and 11:15 p.m. and 7:15 a.m. Seniors may use dorm phones during study hours. Limit call to five minutes.)

Switchboard	TE 3-6461, 2, 3, 4, 5, 6, or 7
Brewer Dorm	1st floor TE 2-9165
	2nd floor TE 4-9294
	3rd floor TE 4-9284
Faircloth Dorm	1st floor TE 2-9163
	2nd floor TE 4-9209
	3rd floor TE 4-9394
Vann Dorm	1st floor TE 2-9166
	2nd floor TE 4-9191
	3rd floor TE 4-9394
Stringfield Dorm	1st floor TE 2-9160
	2nd floor TE 4-9387
	3rd floor TE 4-9182
Johnson Hall	TE 4-9208
Day Students Room	TE 4-9207

Peace College

(Regulations—telephone hours on weekdays 3:30 to 6:00 p.m. and 6:30 to 7:30 and 10:00 to 10:40 p.m. All day Saturday and Sunday.)

Switchboard	TE 3-3681, 2, 3
-------------	-----------------

St. Mary's College

(Telephone hours as follows:)

1. Weekdays:
 - 8:00-8:30 a.m.
 - 1:30-1:45 p.m.
 - 3:45-5:55 p.m.
 - 6:40-7:30 p.m.
 - 9:30-1:10 p.m.
2. Saturday:
 - 9:30 a.m.-12:55 p.m.
 - 1:30-5:55 p.m.
 - 6:40 p.m.-10:10 p.m.
3. Sunday:
 - 9:00 a.m.-10:30 a.m.
 - 12:15-1:00 p.m.
 - 3:15-5:00 p.m.
 - 6:40-10:10 p.m.
4. No call should be over 3 minutes

Rex Hospital Nurses Home

Switchboard	TE 2-7521
-------------	-----------

(Regulations: No calls to freshmen between 7:30 and 9:30 p.m. week days. No calls may be made after 10:30 p.m.)

State Hospital Nurses Home

Switchboard	TE 2-7581
Pay Phone	TE 4-9819

YWCA

Main Desk	TE 2-8566
3rd floor	TE 4-9743
4th floor	TE 4-9745

Carolina Hotel	TE 2-8811
----------------	-----------

Southern Bell Telephone Co.

Information	113
Long Distance	110
Telephone out of order	114

Sir Walter Hotel	TE 2-7711
------------------	-----------

Seaboard R. R. Station	TE 3-7501
------------------------	-----------

Southern R. R. Station	TE 2-6441
------------------------	-----------

Union Bus Station	TE 2-5536
-------------------	-----------

Western Union	TE 2-7761
---------------	-----------

Taxi—Safety	TE 2-8800
Yellow	TE 2-5811

Chaplains

Rev. John Rasberry (Baptist)

Home	TE 4-7030
B. S. U. Office	TE 2-1835

Rev. Robert Henderson (Pres.)

Home	TE 4-2613
Westminister Fellowship	TE 3-4300

Rev. Neal McClamery (Methodist)

Home	TE 4-9604
Wesley Foundation	TE 3-1861

Office of Lutheran Chaplain	TE 2-9687
-----------------------------	-----------

Rev. Walser Allen, Jr.

(Moravian)	TE 3-3840
------------	-----------

Father E. Charest (Catholic)	TE 2-6030
------------------------------	-----------

Rev. G. Harold Myers

(Evangelic and Reform)	TE 3-9136
------------------------	-----------

Rabbi E. M. Rosenzweig (Jewish)

Chapel Hill, N. C.	8-7731
--------------------	--------

1957-1958 STUDENT DIRECTORY

Abbreviations For Departments and Curriculums

Abbreviations	Dept. or Curriculum
ABC	Agri. & Biol. Chem
AEC	Animal Ecology
AG	Agriculture
AGP	Agriculture (P.V.)
AGC	Agricultural Economics
AED	Agricultural Education
AGE	Agricultural Engineering
AGY	Agronomy
AI	Animal Industry
AIP	Animal Industry (P.V.)
AMA	Applied Mathematics
ARC	Architecture
AS	Air Science
BI	Biology
BO	Botany
CE	Civil Engineering
CEC	Civil Engr., Const. Opt.
CRE	Ceramic Engr.
CH	Chemistry
CHE	Chemical Engr.
CON	Construction
DE	Diesel Engr.
DM	Dairy Mfg.
DN	Design
EC	Economics
ED	Education
EE	Electrical Engr.
E	Engineering
EM	Engineering Mechanics
ENG	English
EPY	Engr. Physics
ENT	Entomology
EST	Experimental Statistics
FMM	Furn. Mfg. & Mgt.
FOR	Forestry
FOM	Forest Mgt.
GEE	Geological Engr.
GN	Genetics
GS	General Studies
GY	Geography
HAC	Heating & Air Cond.
HI	History
HRT	Horticulture
IA	Industrial Arts
IED	Industrial Education

Abbreviations	Dept. or Curriculum
IE	Industrial Engr.
IPS	Industrial Psychology
IRR	Industrial & Rural Recreation
LA	Landscape Arch.
MA	Mathematics
ME	Mechanical Engr.
MED	Mathematics Educ.
MAG	Mechanized Agri.
MEA	Mech. Engr., Aero. Opt.
MIC	Mineral Ind. Ceramics
MIG	Mineral Ind. Geology
MIM	Mineral Ind. Metal.
MTE	Metallurgical Engr.
ML	Modern Language
MS	Military Science
NE	Nuclear Engr.
OIG	Occ. Inf. & Guid.
PE	Physical Education
PEC	Plant Ecology
PHI	Philosophy
PO	Poultry
PP	Plant Pathology
PPH	Plant Psysiology
PPT	Pulp & Paper Tech.
PS	Political Science
PSC	Poultry Science
PSY	Psychology
PY	Physics
REC	Recreation
REL	Religion
RS	Rural Sociology
SBO	Systematic Botany
SED	Science Education
SOI	Soils
SOC	Sociology
SS	Social Studies
ST	Statistics
TC	Textile Chemistry
TX	Textiles
TXM	Textile Mfg.
WCM	Wild. Cons. & Mgt.
WPM	Wood Prod. Mdsg.
WT	Wood Technology
ZO	Zoology

* Designates married student

Sixty-Ninth

Annual Commencement

*The North Carolina State College
of Agriculture and Engineering of
the University of North Carolina*

Exercises of Graduation

Sunday, June 1

Nineteen Hundred and Fifty-Eight

Degrees Awarded 1957-58

MUSICAL PROGRAM

Exercises of Graduation

WILLIAM NEAL REYNOLDS COLISEUM

June 1, 1958

CONCERT, 9:30 A.M.

Lohengrin, Prelude to Act III	Wagner
Carnival Day	Morrissey
Valser Campestra	Marinuzzi
El Capitan March	Sousa
Student Prince Overture	Romberg
Waltzing Winds	Osterling
Porgy and Bess Selection	Gershwin
Spiritual from Symphony 5½	Gillis

PROCESSIONAL, 10:00 A.M.

Processional March	Zamecnik
--------------------------	----------

RECESSIONAL

University Grand March	Goldman
------------------------------	---------

HYMN

Faith of Our Fathers	Hemy-Faber
----------------------------	------------

Faith of our fathers, living still
In spite of dungeon, fire, and sword,
O how our hearts beat high with joy
When-e'er we hear that glorious word!
Faith of our fathers, holy faith!
We will be true to thee 'till death.

Faith of our fathers, we will love
Both friend and foe in all our strife,
And preach thee, too, as love knows how
By kindly words and virtuous life:
Faith of our fathers, holy faith!
We will be true to thee 'till death.

THE NORTH CAROLINA STATE COLLEGE SYMPHONIC BAND

Robert A. Barnes, Conductor

Nels Leonard, Assistant Conductor

DIPLOMA PRESENTATIONS, 2:30 P.M.

<i>School</i>	<i>Dean</i>	<i>Location</i>
Agriculture	D. W. Colvard	College Union Ballroom
Design	H. L. Kamphoefner	Brooks Hall
Education	J. B. Kirkland	Pullen Memorial Baptist Church
Engineering	J. H. Lampe	Coliseum
Forestry	R. J. Preston	Kilgore Hall
Textiles	M. E. Campbell	Nelson Textile Building

DEGREES CONFERRED

July 13, 1957
 August 23, 1957
 February 3, 1958
 June 1, 1958

School of Agriculture



BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOLOGICAL CHEMISTRY

†Avery Jake Dennis (June, 1958)	Louisburg
†William Edwin Dick, Jr. (Feb., 1958)	Afton, Va.
Benton Sapp Satterfield (June, 1958)	Raleigh
†Wilma Graye Johnson Shaw (June, 1958)	Fayetteville

BACHELOR OF SCIENCE IN AGRICULTURAL ECONOMICS

Charles Woodward Boyette (June, 1958)	Clinton
Robert Francis Briley (June, 1958)	Wadesboro
Joseph Dingus Bryant (June, 1958)	Wallace
Sherrill Miller Bryant (June, 1958)	Boonville
Joe Senter Chappell (July, 1957)	Fuquay Springs
Maurice Shaw Emmart, Jr. (June, 1958)	Wilmington
Donald Avery Hart (June, 1958)	Lenoir
Hugh Randolph Lindsley (June, 1958)	Williamston
†Clair Edward Morris, Jr. (June, 1958)	Columbia
Richard Fletcher Pearson (June, 1958)	Clinton
Ellis Brinson Vestal (June, 1958)	Kenansville
William Ray Wilhelm (June, 1958)	Cleveland
†Glenn Walker Woodley (June, 1958)	Columbia

BACHELOR OF AGRICULTURAL ENGINEERING

Harold Gray Barker (June, 1958)	Statesville
†Eustace Orland Beasley (June, 1958)	Four Oaks

¹ Dates following students' names indicate the time at which their degree was awarded. Symbols in front of students' names indicate: †Honors; ‡High Honors; *Degree conferred In Absentia.

Abdul Aziz Turkey Al-Doory (June, 1958)	.....	Sammara, Iraq
Stephen Croom English (June, 1958)	.....	Willard
Ervin Grigg Humphries (June, 1958)	.....	Shelby
Robert Cooper Kornegay (Feb., 1958)	.....	Smithfield
Bobby Gene McCarter (June, 1958)	.....	Mill Spring
Carl Elwyn Owens, Jr. (June, 1958)	.....	Asheville
†Carl Wilburn Toney (June, 1958)	.....	Mooresboro
Elijah James Tyson (Feb., 1958)	.....	Monroe
John Dalas Vance (June, 1958)	.....	Pineola
†Rupert William Watkins (June, 1958)	.....	Fuquay Springs

BACHELOR OF SCIENCE IN ANIMAL INDUSTRY

Bryan Anders (June, 1958)	.....	Burnsville
Robert Francis Barber (June, 1958)	.....	Hendersonville
Julian Milton Baucom (June, 1958)	.....	Raleigh
Norman Wesley Brickhouse (June, 1958)	.....	Elizabeth City
George Glenn Broome (June, 1958)	.....	Aurora
‡William Avera Compton (June, 1958)	.....	Clayton
Graham Samuel Cox (June, 1958)	.....	Richlands
John Hall Daniels (June, 1958)	.....	Wilson
Edgar Felton Davis (June, 1958)	.....	Goldsboro
†George William Dille (June, 1958)	.....	Portland, Ore.
Robert Howard Futrelle (June, 1958)	.....	Goldsboro
James Dabney Gilliam (Feb., 1958)	.....	Rocky Mount
Jerry Warren Hardesty (July, 1957)	.....	Elizabeth City
Billy Niles Harrell (June, 1958)	.....	Wilson
Douglas Bradley Henson (June, 1958)	.....	Vilas
Donald Glenn Hopkins (June, 1958)	.....	Garner
John Walter Jones (June, 1958)	.....	Sparta
*Bertram Maxwell Kalet (June, 1958)	.....	Winston-Salem
William Edward Knighten (June, 1958)	.....	Asheville
Samuel Joseph Lambert, Jr. (June, 1958)	.....	Brodnax, Va.
Glenn Cansler Moore (Feb., 1958)	.....	Catawba
Donald O'Quinn Morgan (Aug., 1957)	.....	Star
Billy Snow Perryman (June, 1958)	.....	Lewisville
Clint Manly Reese (June, 1958)	.....	Reese
Richard Swift Reese (Feb., 1958)	.....	Reese
Enos William Register, Jr. (July, 1957)	.....	Tarboro
Maynard Lowell Self (Feb., 1958)	.....	Casar
Jimmie Lee Smith (June, 1958)	.....	Winston-Salem
Robert Wayne Swain (June, 1958)	.....	Southport
Russell Jaynes Tate (June, 1958)	.....	Hendersonville
William Guy Townsend (June, 1958)	.....	Manquin, Va.
Robert Dalton Weatherly (June, 1958)	.....	Durham
Thomas Elam West (June, 1958)	.....	Nathalie, Va.
James William York (June, 1958)	.....	Mount Airy

BACHELOR OF SCIENCE IN BOTANY

Marion Vernon Morgan (June, 1958)	Charlotte
-----------------------------------	-------	-----------

BACHELOR OF SCIENCE IN DAIRY MANUFACTURING

John Quincy Britt, Jr. (June, 1958)	.....	Raleigh
†Frank Watson English (Feb., 1958)	.....	Marion
Roy Lawrence Haire (June, 1958)	.....	Fuquay-Varina
John Paul Langley (June, 1958)	.....	Rocky Mount
Robert Louis Rackley (June, 1958)	.....	Asheville

†Honors; ‡High Honors; *In Absentia.

Claude Excell Raiford, Jr. (June, 1958)	Erwin
John Virgil Teague (June, 1958)	Guilford College

BACHELOR OF SCIENCE IN ENTOMOLOGY

†Ronald L. Baron (Feb., 1958)	New York, N. Y.
Abdul Abbass Hantosh Al-Jabiry (June, 1958)	Hai, Iraq

BACHELOR OF SCIENCE IN EXPERIMENTAL STATISTICS

George Monofar Shakarji (June, 1958)	Beirut, Lebanon
--------------------------------------	-----------------

BACHELOR OF SCIENCE IN FIELD CROPS

Paul Williamson Bailey (June, 1958)	Everetts
Frank Hartwell Baker (June, 1958)	Oxford
†Benjamin Harrison Barnette, Jr. (June, 1958)	Lenoir
James Lee Beck (Feb., 1958)	Wingate
Sherrill Kermit Brinkley (June, 1958)	Mocksville
Arthur Gray Collier, Jr. (June, 1958)	Bladenboro
William Benjamin Farrow (June, 1958)	Engelhard
Carl Smith Gentry (June, 1958)	Maxton
†Oscar Elwood Hatley (June, 1958)	Albemarle
†Samuel Forest Jenkins, Jr. (Feb., 1958)	Oxford
James Linwood Knowles, Jr. (June, 1958)	Jamesville
Fred Lee McHan (June, 1958)	Bryson City
Robert Henry Marriott, Jr. (Feb., 1958)	Battleboro
Henry Vance Marshall, Jr. (Feb., 1958)	Rural Hall
Dan Schuyler Moss (June, 1958)	Enfield
Kirby Allen Pitts (June, 1958)	Winston-Salem
†Charles Raymond Rogers, Jr. (Feb., 1958)	Rocky Point
Archie Ward Shaw (June, 1958)	Evergreen
David Franklin Weinstein (June, 1958)	Lumberton

BACHELOR OF SCIENCE IN HORTICULTURE

Quincy Ted Ashley (Feb., 1958)	Warrensville
William Murray Booker (Feb., 1958)	Raleigh
Lee Wiley Cash (June, 1958)	Shelby
William Henry Collins (June, 1958)	Wingate
†Frank Roy Johnson, Jr. (Feb., 1958)	Murfreesboro
†Harry Lee Neely, Jr. (June, 1958)	Charlotte
Marshall Monroe Shepherd, Jr. (Feb., 1958)	Charlotte

BACHELOR OF SCIENCE IN MECHANIZED AGRICULTURE

Roddy Harper Fields (July, 1957)	Greensboro
Albert Johnson McCracken, Jr. (June, 1958)	Waynesville
Walter Lee Moss (July, 1957)	Rutherfordton
June Gill Perry (Feb., 1958)	Zebulon
James Franklin Rogers (June, 1958)	Rocky Point
Gerald Dwight Simmons (June, 1958)	Albertson
Burl Jackson Washam (June, 1958)	Huntersville
William Morgan Whitehurst (June, 1958)	Bethel
Joseph Howard Williams (June, 1958)	Beulaville
Joe Herman Young (Aug., 1957)	W. Asheville

BACHELOR OF SCIENCE IN POULTRY SCIENCE

†William John Jasper (June, 1958)	Burgaw
Harry Lee Page (June, 1958)	Reidsville
†Honors	

BACHELOR OF SCIENCE IN RURAL SOCIOLOGY

†Charles William Pettus (June, 1958)	Raleigh
--------------------------------------	---------

BACHELOR OF SCIENCE IN SOILS

Louis Edwin Cullipher (June, 1958)	Knotts Island
John Austin Keaton (Feb., 1958)	Elizabeth City
†Charles Leonard Parker (June, 1958)	Varina
†Howard Gordon Small, Jr. (June, 1958)	Fair Bluff
†James Raymond Woodruff (June, 1958)	Raleigh

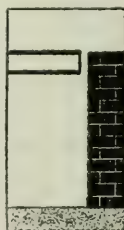
BACHELOR OF SCIENCE IN WILDLIFE CONSERVATION AND MANAGEMENT

†Albert Quentin Bell, Jr. (June, 1958)	Manteo
John Carroll Fields (Feb., 1958)	Goldsboro
†Edward Gordon McCoy (Aug., 1957)	Snow Hill
†William Everett Neal (June, 1958)	Stokesdale
Raymond Douglas Nelson (June, 1958)	New Bern
James Willis Pulliam, Jr., (June, 1958)	Henderson
James Woodrow Spann (June, 1958)	Trenton
Donald Morris Sutton (June, 1958)	Charlotte

BACHELOR OF SCIENCE IN ZOOLOGY

John Homer Barton (July, 1957)	Charlotte
†Karl Eugene Bostian (June, 1958)	Raleigh
†Cecil Fred Brown (June, 1958)	Leicester
†Earnest Lee Forbes (June, 1958)	Oxford
*Billy Hunt White (June, 1958)	Whiteville

School of Design



BACHELOR OF ARCHITECTURE

Laszlo Aranyi (June, 1958)	Budapest, Hungary
Timothy Hollis Barrows (June, 1958)	Fort Lauderdale, Fla.
Richard Kenneth Chalmers (June, 1958)	Buffalo, N. Y.
David Elliott Hipp, Jr. (June, 1958)	Charlotte
Eugene Isley Lowry (June, 1958)	Kingsport, Tenn.
Henry Hardinge Menzies, Jr. (June, 1958)	Winston-Salem
†Samuel Edward Mintz (June, 1958)	Detroit, Mich.
John Marsilje Peterson (June, 1958)	Raleigh
Oscar Earl Pope, Jr. (June, 1958)	Charlotte

†Honors; ‡High Honors; *In Absentia.

Clyde Russell Rich, Jr. (June, 1958)	Clinton
Charles Seymour Sax (June, 1958)	New York, N. Y.
Benjamin Boswood Taylor (June, 1958)	Maple
Earl Wayne Taylor (June, 1958)	Maple
†Robert Dean Turner (June, 1958)	Ipswich, Mass.
†Ignacio Maria Zubizarreta (June, 1958)	Caracas, Venezuela, S. A.

BACHELOR OF LANDSCAPE ARCHITECTURE

Kenneth Raymond Coulter (June, 1958)	Maiden
William Warren Edwards (June, 1958)	Oklahoma City, Okla.
James Franklin Ellis (June, 1958)	Raleigh

School of Education



BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION

Teddy Gray Allen (June, 1958)	Farmville
Philip Leo Beaman (June, 1958)	Walstonburg
Carroll Winford Bennett (Feb., 1958)	Jackson Springs
William Kenneth Best (June, 1958)	Mount Olive
Robert Wayne Boles (June, 1958)	Walnut Cove
Julius Jerome Boyd (Feb., 1958)	Waynesville
J. C. Bright (June, 1958)	Chocowinity
†Cecil Charlie Brooks (June, 1958)	Sparta
James Allen Brown (June, 1958)	LaGrange
William Jasper Brown, Jr. (June, 1958)	Raleigh
J. W. Busick (June, 1958)	Elon College
†Elmer Eugene Capps (June, 1958)	Selma
George Everett Caudle (Feb., 1958)	Richfield
Donald Coleman Elliott (Feb., 1958)	Shelby
William Wayne Franklin (June, 1958)	Henderson
John Gilbert Gay (June, 1958)	Walstonburg
†Vance E. Hamilton (June, 1958)	Rockingham
Norwood Oscar Hargrove (Feb., 1958)	Clinton
†Tommy Joe Haywood (Feb., 1958)	Monroe
Forrest Traynham Heath (Feb., 1958)	Acme
James Howard Jernigan (Feb., 1958)	Godwin
Charles Elliott Johnson (June, 1958)	Robersonville
Charlie Lincoln King (June, 1958)	Lansing
James Claude King (Feb., 1958)	Statesville
Robert Travis King (Feb., 1958)	Fair Bluff
William Preston King (Feb., 1958)	Fair Bluff
†Raymond Eugene Kinsland (Feb., 1958)	Whittier

†Honors; ‡High Honors.

Zack Frank Ladd (June, 1958)	Yadkinville
Bobby Huntley Lamb (Feb., 1958)	Ingold
Alfred Kay Leach (Feb., 1958)	Raeform
†Earl Chapin Lemons (June, 1958)	Pittsboro
John Robert Lewis (Feb., 1958)	Grifton
Glenn Neumon Lilley, Jr. (Feb., 1958)	Gatesville
Grover Cleon McPherson (Feb., 1958)	Clarendon
Clyde Benton Mabry, Jr. (June, 1958)	Norwood
†Jesse Daniel Melton (June, 1958)	Enfield
Royal Roger Needham (June, 1958)	Pilot Mountain
Maurice Harwood Oliver (Feb., 1958)	Creswell
Robert Edward Overton (June, 1958)	Apex
James Ray Peterson (June, 1958)	Clinton
John Oran Pigg (Feb., 1958)	Wingate
Robert Ray Pittard (July, 1957)	Morrisville
†Theadore George Richardson (June, 1958)	Climax
Wiley Fletcher Ritter, Jr. (Feb., 1958)	Robbins
Theron Vester Sanders (Feb., 1958)	Bailey
†Larry Edward Tetterton (June, 1958)	Bethel
Jack Preston Tilley (Feb., 1958)	Westfield
Robert Allen Waddell (Feb., 1958)	Fair Bluff
Rodolph Marion Whaley, Jr. (Feb., 1958)	Richlands
Davison Heriot Wilkins (Feb., 1958)	Linden
Donald David Williams (Feb., 1958)	Tabor City
Robert Strange Williams, Jr. (June, 1958)	Linden

BACHELOR OF SCIENCE IN INDUSTRIAL AND RURAL RECREATION

Larry Charles Bostian (July, 1957)	Conover
Thomas Barrett Buckman (June, 1958)	Linden, N. J.
John Frank Buckner (June, 1958)	Black Mountain
Charles Stuart Byron (Feb., 1958)	Black Mountain
Adrian Russell Casteen, Jr. (June, 1958)	Wilmington
Billy Hatcher Castleberry (June, 1958)	Clayton
Archie Wallace Copeland (June, 1958)	Raleigh
John Miller Wells Crowley (June, 1958)	Wilmington
John Harry Daskal (Feb., 1958)	Fayetteville
†Thomas Woodrow Davis (June, 1958)	Raleigh
Amedeo Richard DeAngelis, Jr. (June, 1958)	Reading, Penna.
Darrell Charles Dess (Feb., 1958)	New Castle, Penna.
William Howard Eudy (July, 1957)	Beaufort
Jack Eugene Ferrell (Feb., 1958)	Raleigh
Russell Wayne Frazier (June, 1958)	Youngsville
Thomas Joseph Guerrieri (June, 1958)	North Braddock, Penna.
John Henry Hurst (June, 1958)	Wilmington
William Harry Keller, Jr. (Aug., 1957)	Wendell
Marvin Kessler (June, 1958)	Howard Beach, N. Y.
John Mezick Lowe (Aug., 1957)	Delmar, Del.
George Marinkov (June, 1958)	Lebanon, Penna.
David Joseph Meloni (Feb., 1958)	Harmarville, Penna.
†Billy Myatt (June, 1958)	Fuquay Springs
Paul Tilton Myers (Feb., 1958)	Hoffman
Robert Paroli (June, 1958)	Raleigh
James Raeform Pope (Feb., 1958)	Burgaw
Wallace Lee Prince (Feb., 1958)	Cairo, Ga.
Max Pruzan (June, 1958)	New York, N. Y.
Francis Carlyle Teague (June, 1958)	Liberty
Dewitt Calvin Thompson (June, 1958)	Wendell
†Stephen Joseph Vitek (June, 1958)	Lansford, Penna.
Raymond Chevalier Waters (June, 1958)	Collingswood, N. J.
David Bert Weeks (Feb., 1958)	Clinton

†Honors; ‡High Honors.

BACHELOR OF SCIENCE IN INDUSTRIAL ARTS

James Milton Bass (June, 1958)	Clinton
†Neill McLaurin Beatty (June, 1958)	Elizabethtown
Thomas Earl Carpenter (June, 1958)	Albemarle
Hermon Robert Chandgie (June, 1958)	Salisbury
Clyde Oren Crowell, Jr. (June, 1958)	Roxboro
John Barclay DeCoursey, III (June, 1958)	Charlotte
Thurman Melvin Fields, Jr. (June, 1958)	Wallace
Charles Deutermann Hohns (Feb., 1958)	Scarsdale, N. Y.
Donald Ray Irving (June, 1958)	Stonesville
James Owen Johnson (June, 1958)	Kenansville
Leon Tyson Jordan, Jr. (July, 1957)	Raleigh
Robert Eugene Kinch (Feb., 1958)	Elon College
Gaither Calvin Lassiter, Jr. (June, 1958)	Spring Hope
Joe Calvin Long (June, 1958)	Mebane
Jack Edward McGaha (June, 1958)	Brevard
Kenneth Underwood Martin (June, 1958)	Jonesville
William Lawton Miller, Jr. (June, 1958)	Beulaville
Samuel Dean Morgan (Feb., 1958)	Marion
Joe Ervin Murphy (Feb., 1958)	Mocksville
†Joseph Hugh Nanney (June, 1958)	Hendersonville
James Clyde Overcash, Jr. (June, 1958)	Charlotte
Jefferson Leroy Parker (June, 1958)	Four Oaks
Fred William Paschall, Jr. (June, 1958)	Greensboro
Lawrence Billy Powell (June, 1958)	Draper
David Jephtha Rose, II (June, 1958)	Rocky Mount
Robert Samuel Royster, Jr. (June, 1958)	Tarawa Terrace
Allen Vance Shermer (June, 1958)	Yadkinville
William Daniel Stancil (Feb., 1958)	Rocky Mount
Alton Parker Stephenson, Jr. (June, 1958)	Raleigh
Charles Edward Swaringen, Jr. (June, 1958)	Pinehurst
Peter Thomas Tola (June, 1958)	Raleigh
James Edward Walton (Feb., 1958)	Hamlet
Jesse Bradsher Wilkins, Jr. (Feb., 1958)	Woodsdale

BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION

Marion Hayes Ballard (Feb., 1958)	Shallotte
James Ernest Corbett, Jr. (June, 1958)	Elizabeth City
Jack David Dellinger (June, 1958)	Bakersville
Arley Johnny Dugger (Feb., 1958)	Fayetteville
James Casey Johnson (Feb., 1958)	Raleigh
†Donald Gray Lloyd (July, 1957)	Fayetteville
James Vernon Marshall (Feb., 1958)	Louisburg
Willie Alonzo Mayo, Jr. (Feb., 1958)	Charlotte
Parker Caswell Peeden (Feb., 1958)	Selma
Augustine Caleb Penny (June, 1958)	Clayton
William Loren Stainback (Feb., 1958)	Henderson
Joseph McAlpin Vann (June, 1958)	Charlotte
Samuel Hubert Welsh, Jr. (June, 1958)	Lumberton

BACHELOR OF SCIENCE IN SCIENCE EDUCATION

Shirley Anne Bunn (Feb., 1958)	Louisburg
William Orien Fenner (June, 1958)	Columbus
†Jesse Wade Morgan, Jr. (Feb., 1958)	Asheville

†Honors; ‡High Honors.

School of Engineering



BACHELOR OF CERAMIC ENGINEERING

Thomas Oliver Anderson (June, 1958)	Durham
Kenneth Roberts Benton (June, 1958)	Sanford
Samuel Allen Cooper, Jr. (June, 1958)	Graham
†Moses Paul Davis, Jr. (June, 1958)	Sanford
Edward William Friddle (June, 1958)	Raleigh
Jack Saunders Liske (July, 1957)	Apex

BACHELOR OF CHEMICAL ENGINEERING

Jimmie Ronald Eckard (Feb., 1958)	Charlotte
Fredrik Eugene Faulkner (June, 1958)	Asheville
Lawrence Ray Gurley (June, 1958)	Goldsboro
†Richard Norwood Gurley (June, 1958)	Newton
†Gerald Epps Hagler (June, 1958)	Belmont
†Larry Wayne Hammond (June, 1958)	Hamlet
†Rudolph Gordon Johnstone (June, 1958)	Spartanburg, S. C.
James Edward Layden (Feb., 1958)	Hertford
Donald Wayne Memory (June, 1958)	Wagram
†James Reid Misenheimer (June, 1958)	Shelby
William Dell Moxley, Jr. (June, 1958)	Raleigh
Paul Fletcher Murray (July, 1957)	Greenville
James Albert Preston (June, 1958)	Elizabeth City
Thomas Edwin Reese (June, 1958)	Swissvale, Penna.
Hubert Hoke Ritchie (July, 1957)	Thomasville
Ralph Duane Robinson (June, 1958)	Charlotte
Edgar Williams Smith (June, 1958)	Charlotte
Paul Marshall Sykes (Feb., 1958)	Portsmouth, Va.
Robert Alvin Thompson (June, 1958)	Lenoir
†Marcos Wasserman Reines (July, 1957)	Bogota, Colombia, S. A.

BACHELOR OF CIVIL ENGINEERING

Harry Charles Abernethy (June, 1958)	Hickory
Charles Dewey Adkins (June, 1958)	Leaksville
James Hardin Allen (June, 1958)	Wadesboro
Jesse Franklin Allred (June, 1958)	Mount Airy
Robert Maurice Apple (June, 1958)	Reidsville
Lynn Kelly Barger (June, 1958)	China Grove
Bevan Kyle Barringer, Jr. (June, 1958)	Salisbury
William Preston Bartlett (June, 1958)	Camden
Frank Anderson Billings (June, 1958)	Raleigh
William Lee Bizzell, Jr. (June, 1958)	Goldsboro
†James Donald Blackburn (June, 1958)	Mount Airy
Joseph Thomas Bordeaux (June, 1958)	Lillington
Russell Buxton, III (June, 1958)	Roanoke Rapids
James Harmon Byrd (June, 1958)	Asheboro
Arnold Ray Capps (June, 1958)	Hendersonville

†Honors; ‡High Honors.

Mason Lindsay Carroll, Jr. (June, 1958)	Shelby
†Henry Clay Clegg, Jr. (June, 1958)	Pittsboro
†Clifford Mercer Comeau (June, 1958)	Bolivia
Carlton Alderman Davenport, Jr. (Feb., 1958)	Hertford
Pete Graham Deaver (June, 1958)	Deep Run
Samuel Miller Eason (June, 1958)	Goldsboro
Fred Huntley Edwards (June, 1958)	Wadesboro
Benjamin Limer Ellington (June, 1958)	Washington
Walter Ronald Farley (June, 1958)	Bluefield, W. Va.
Donald Hughey Fetner (Feb., 1958)	Durham
Gerald Romney Fleming (June, 1958)	Stokes
†Dennis Lee Fortune (June, 1958)	Burlington
John Gurney Frazier, III (June, 1958)	Charlotte
Ted Wayne Funderburk (June, 1958)	Matthews
‡Colleen Buff Garrison (June, 1958)	Lincolnton
Jasper Lee Gray (June, 1958)	Edenton
†James Thomas Haney (June, 1958)	Charlotte
Joseph Donald Haney (June, 1958)	Charlotte
William Francis Hanrahan (June, 1958)	Oyster Bay, N. Y.
James Edward Harris (June, 1958)	Winston-Salem
William Stewart Hoffman (June, 1958)	Burlington
†Jafar Hoomani (Aug., 1957)	Tehran, Iran
George Ramkrishna Jivatode (June, 1958)	Raleigh
Harvey Ray Joyner (June, 1958)	Rocky Mount
Ghulam Rasool Kalwar (June, 1958)	Pano Akil, W. Pakistan
Archibald Cleveland Kennedy (June, 1958)	Salisbury
John Loyd Kirk (June, 1958)	Asheville
†Harold Wilbur Landrum (June, 1958)	Wilson
Robert Edward Lasater (June, 1958)	Erwin
John Foy Ledbetter, Jr. (June, 1958)	Asheville
†Wilbur Lemet Lockrow (June, 1958)	Winston-Salem
Robert Laverne McGarr (June, 1958)	Lenoir
Asa Moye Manning (June, 1958)	Williamston
Charles Harry Mateer (June, 1958)	Charlotte
†James Robert Mauney (June, 1958)	Cherryville
James Hubert Medlin, Jr. (June, 1958)	Wilmington
Larry Lee Misenheimer (June, 1958)	Richfield
Billy Rawls Moore (June, 1958)	Tarboro
Bobby Lee Moore (June, 1958)	Graham
Thomas Monroe Moore (June, 1958)	Four Oaks
Nicholas F. Mussack (June, 1958)	Scotland Neck
Charles Rexford Norris (June, 1958)	Wallace
John Fay Padgett (June, 1958)	Cliffside
James Murchison Peden, Jr. (June, 1958)	Raleigh
Everett John Poindexter (June, 1958)	Tarboro
Marion Ronald Poole (June, 1958)	Thomasville
Robert Eugene Powell (June, 1958)	Garner
John Bailey Pridgen, Jr. (June, 1958)	Salisbury
Robert Vance Robertson (June, 1958)	Troy
Robert Graham Rooks (June, 1958)	Whiteville
†Robert William Roseveare (June, 1958)	Greenville
Arthur Alexander Scott, Jr. (June, 1958)	Greensboro
Ostia Ralph Self (June, 1958)	Siler City
Richard Clemence Sloan (June, 1958)	Mount Ulla
Floyd Arthur Stone (June, 1958)	Asheville
Gerald David Stone (June, 1958)	Wilmington
Clarence Garren Tate, Jr. (June, 1958)	Concord
Victor Patrick Thompson (Feb., 1958)	Morganton
Luis Camilo Trigo, Jr. (June, 1958)	San Juan, Puerto Rico
Charles Henry White (June, 1958)	China Grove

†Honors; ‡High Honors.

Charles Arthur Willis (June, 1958)	Charlotte
Richard Grady Wright (June, 1958)	Winston-Salem
Stephen Cole Wuamett (June, 1958)	Cleveland

BACHELOR OF CIVIL ENGINEERING, CONSTRUCTION OPTION

Lawrence Lynn Bissett (Feb., 1958)	Wilson
Dewey Williams Boseman (June, 1958)	Wilson
†Donald Norris Bridges (June, 1958)	Shelby
Dallas James Brown (June, 1958)	Kannapolis
Raymond Tyrus Buckner, Jr. (June, 1958)	Belmont
Joe Beverly Cochran, Jr. (June, 1958)	Southport
Curtis Edward Collier (June, 1958)	Micro
†Billy Hoyle Craver (June, 1958)	Welcome
Everette Berry Curlee (June, 1958)	Matthews
Charles Spencer Davis, Jr. (June, 1958)	Huntersville
Robert Allen Dorfman (June, 1958)	Nanvet, N. Y.
William Ernest Garrison, Jr. (June, 1958)	Lincolnton
James Brown Grier (June, 1958)	Charlotte
Jimmy Dine Haynes (June, 1958)	Pittsboro
Lawrence Braden Jones (June, 1958)	Walkertown
†Victor Allen Jones (June, 1958)	Laurel Springs
Thomas Anthony Karam (June, 1958)	New Bern
Edward Braddy Latham (June, 1958)	Washington
John Conley Laughridge (June, 1958)	Marion
Jerry Lee Marsh (June, 1958)	Greensboro
†William Alan Neckman (June, 1958)	New York, N. Y.
Harold Eugene Polk (June, 1958)	Charlotte
Robert Hand Rankin (June, 1958)	Gastonia
†Benjamin Thomas Smith (June, 1958)	Polkton
Charles Rebert Southerland (June, 1958)	Goldsboro
Richard Parks Stone (June, 1958)	Charlotte
Robert Troy Venters (June, 1958)	Wilmington

BACHELOR OF ELECTRICAL ENGINEERING

Francis Gerald Abernethy (June, 1958)	Newton
James Alton Almond (June, 1958)	Albemarle
Donald Wayne Anderson (June, 1958)	Tarboro
†Charles Thomas Andrews (June, 1958)	Greensboro
R. A. Avery, Jr. (June, 1958)	Selma
Billy Elmer Barnhardt (June, 1958)	Concord
John Neil Birch (June, 1958)	Raleigh
Willie Lester Brannan (June, 1958)	Dunn
Harry Floyd Byrd (June, 1958)	Fayetteville
†James Sidney Carter, Jr. (June, 1958)	Battleboro
†Russell Gordon Cashwell, Jr. (June, 1958)	Lumberton
†Morrison McKenney Clements (June, 1958)	San Francisco, Calif.
Howard Fred Coble (June, 1958)	Burlington
†Henry Hadley Cockrell, Jr. (June, 1958)	Raleigh
Carl Doris Cole (June, 1958)	Kings Mountain
†William Vernon Coley, Jr. (June, 1958)	Fayetteville
Leonard Wayne Cotten (Aug., 1957)	Pittsboro
Bobby Wayne Crabtree (June, 1958)	Chapel Hill
Donald Lee Denton (June, 1958)	Morganton
William Burton Dowell, Jr. (June, 1958)	Raleigh
Lafayette E. Fountain, Jr. (June, 1958)	Tarboro
Melvin Dorsey Franklin (June, 1958)	Henderson
William Melvin Fulp (June, 1958)	Winston-Salem
Joseph Clarence Gardner (June, 1958)	Cary

†Honors; ‡High Honors.

†Daniel Martin Griffin (June, 1958)	Lenoir
Graham Dwight Hall (June, 1958)	Lexington
†James Weatherspoon Harrill (June, 1958)	Raleigh
†Hugh Pressley Henderson (June, 1958)	Charlotte
Walter Nicholson Hipp, Jr. (June, 1958)	Hickory
Bobby Mal Honeycutt (June, 1958)	Hickory
Vann Marshall Hoover (June, 1958)	Charlotte
William Henry Horne (Aug., 1957)	Warrenton
Heywood Barron Houtz (June, 1958)	Elizabeth City
John Caldwell Huffman (June, 1958)	Black Mountain
†Harry Watkins Ingold (June, 1958)	Cary
Robert Alan Jackson (June, 1958)	Greensboro
Hubert Lee Jenkins (June, 1958)	Harris
†Preston Benton Johnson (June, 1958)	Benson
†Martin Bruce King (June, 1958)	Hamlet
Edward Logan Lackey (June, 1958)	Old Fort
Curgus Columbus Ledbetter (June, 1958)	Thomasville
Robert Earl Lewis (June, 1958)	Lumberton
Amy O'Brian Lupton (June, 1958)	Oriental
Richard Harrison McCarn (June, 1958)	Kannapolis
Edward Grafton McGavran (June, 1958)	Chapel Hill
James Dennis Maner (June, 1958)	Franklinville
Samuel Leland Mingia (June, 1958)	Greensboro
Bobby Glen Mitchell (June, 1958)	Goldsboro
Robert Reese Moody, Jr. (June, 1958)	Charlotte
Carroll Gene Moore (June, 1958)	Gastonia
†Joe Allen Nuckolls (June, 1958)	Hendersonville
Richard Ott (June, 1958)	Pittsburgh, Penna.
†Carl Duncan Parker (June, 1958)	Rockingham
Grady Leon Parker (June, 1958)	Raleigh
Loyd Cuthbertson Parker (June, 1958)	Wilmington
†James Roy Pearson, Jr. (June, 1958)	Raleigh
†Alan Clair Phillips (June, 1958)	Mocksville
Robert Kenneth Phillips (June, 1958)	Lillington
†Theo Clyde Pilkington (June, 1958)	Durham
Zeb Vance Poole (June, 1958)	Statesville
†Jerry Pryor (June, 1958)	Mount Holly
Robert Plato Reese (June, 1958)	Mars Hill
William Clyde Roberson, Jr. (June, 1958)	Williamston
Kenneth Lee Ross (June, 1958)	Charlotte
Robert Franklin Sawyer (June, 1958)	Elizabeth City
Robert Francis Shipman, Jr. (June, 1958)	Charlotte
†Bryce Sigmon, Jr. (June, 1958)	Greenville
Charles Wesley Smith (June, 1958)	Meadville, Penna.
Roy Marvin Smith (June, 1958)	Marshville
William Verlin Smoot (June, 1958)	Winston-Salem
Richard Verney Souza (June, 1958)	Dunedin, Fla.
Hal Eugene Starr (June, 1958)	Hickory
Ray Edwin Stone (June, 1958)	High Point
Russell Edward Strother (July, 1957)	Cary
Kenneth Thomas Swicgood (June, 1958)	Cleveland
Joseph Michael Tardugno, Jr. (June, 1958)	Wilmington
†Ralph Currin Teasley (June, 1958)	Durham
Roy Lorraine Templeton (June, 1958)	Kannapolis
Jessie Linwood Thompson (June, 1958)	Princeton
Marion Wade VunCannon (July, 1957)	Ether
James Calvin Wachob, Jr. (June, 1958)	Morganton
†Ferman Lee Walker (June, 1958)	Mill Spring
Herman Lewis Walker (June, 1958)	Mill Spring
Fredric Glenn Warren (June, 1958)	Selma
†Earl Wayne Waters (June, 1958)	Roanoke Rapids

†Honors; ‡High Honors.

†James Walter Watterson (June, 1958)	Guilford College
†Gene Thurmond Whicker (June, 1958)	Walkertown
†Ottis Milligan Winfield, Jr. (June, 1958)	Washington
Ollie Clifton Woodard (June, 1958)	Spring Hope
Dennis Raymond York, Jr. (June, 1958)	Asheboro

BACHELOR OF ENGINEERING MATHEMATICS

†Carl Eion Parker (Feb., 1958)	Charlotte
Leon Max Powell (June, 1958)	Erwin
William Pickens Sorrels (June, 1958)	Forest City
†Clarence Woodall Townsend (Feb., 1958)	Lumberton
†Richard Prevette Westmoreland (June, 1958)	Thomasville

BACHELOR OF ENGINEERING PHYSICS

†David Lloyd Flanagan (June, 1958)	Rockingham
Frank Elbridge Minter, Jr., (Feb., 1958)	Durham
†Edward Wayne Nuckolls (June, 1958)	Hendersonville
†Carl Eion Parker (June, 1958)	Charlotte
†Lennart Rudolph Peterson (June, 1958)	Winston-Salem
†Jerry Allan Roberts (June, 1958)	Landis

BACHELOR OF SCIENCE IN FURNITURE MANUFACTURING AND MANAGEMENT

William Rhodes Ballard, Jr. (June, 1958)	Asheville
Bernie Cletus Bean (June, 1958)	Mebane
Henry Eugene Blair (Aug., 1957)	Archdale
Joseph Creazzo (June, 1958)	Sea Cliff, N. Y.
Troy Lee Dobson (June, 1958)	Morganton
Herman Lee Dunning (June, 1958)	Thomasville
Robert Lenwood George, Jr. (Feb., 1958)	Roanoke Rapids
William Ray Kennedy (Feb., 1958)	High Point
Rayvon Perdue (June, 1958)	Kannapolis
Charles Rollins Swain (June, 1958)	Roper
†Basil Waites Turbyfill (June, 1958)	Hickory
Carl Herman Wall (June, 1958)	Morganton

BACHELOR OF GEOLOGICAL ENGINEERING

Daniel Bernstein (June, 1958)	Goldsboro
Bobby Joel Ellis (June, 1958)	Asheville
Donald Fred Farley (June, 1958)	Bluefield, W. Va.
James Clyde Ferrell (June, 1958)	Durham
Richard Alfred Gardner (July, 1957)	Sanford
†Joel Otto Kimrey (June, 1958)	Norwood
Rex Askew Phillips (June, 1958)	Snow Hill

BACHELOR OF SCIENCE IN HEATING AND AIR CONDITIONING

Clarence Monroe Asbill, III (June, 1958)	Raleigh
Theodore Thomas Ballenger (June, 1958)	Raleigh
Dewey Lee Caviness, Jr. (June, 1958)	Asheboro
John Walter Earnhardt (June, 1958)	Monroe
John Arrington Fields (June, 1958)	Ramseur
Collier Joseph Griswold, III (June, 1958)	Raleigh
Joseph Harmon Harward (June, 1958)	Elizabeth City
Lloyd Martin Hedgepeth (June, 1958)	Rocky Mount

†Honors; ‡High Honors.

William Richard Lewis (June, 1958)	Wilmington
John Walter Lowry (June, 1958)	Charlotte
Bobby Lewis Montague (Feb., 1958)	Raleigh
Edgar Alan Pace (June, 1958)	Hendersonville
Ralph Gene Sifford (June, 1958)	Salisbury
Marvin Kenneth Sloan (June, 1958)	Erwin
Larry Wyatt Welker (June, 1958)	Greensboro
Ralph Pearson Williams (June, 1958)	Asheville

BACHELOR OF INDUSTRIAL ENGINEERING

Robert Carl Alridge (June, 1958)	Gastonia
Blake Paul Auchmoody (June, 1958)	Fords, N. J.
Edward Beard Austin (June, 1958)	Gastonia
William Fredrick Austin (June, 1958)	Charlotte
†Walter Warren Bare (June, 1958)	Jefferson
Harvey Sanford Berman (June, 1958)	Brooklyn, N.Y.
Cecil Cornelius Beumer (June, 1958)	Enka
‡Judson Vaughan Booth (Feb., 1958)	Durham
Malphus Leroy Bradbury, Jr. (June, 1958)	Wilson
William Edward Caldwell, Jr. (June, 1958)	Wrightsville Beach
Wilburn Clyde Calton, Jr. (June, 1958)	Raleigh
Jack Elias Capps (June, 1958)	Sanford
†Sam Jay Caudle (June, 1958)	Winston-Salem
Jack Leonard Chandler (June, 1958)	Burlington
†Garland Ray Coggins (Feb., 1958)	Thomasville
Jason Thomas Collie, Jr. (Feb., 1958)	Ruffin
Bill Martin Coward (Feb., 1958)	Asheville
Reeves Ketner Davis (June, 1958)	Candler
Billy Eugene Deal (June, 1958)	Newton
John Robert DeMarra (June, 1958)	Lancaster, Penna.
James Samuel Easley (June, 1958)	Winston-Salem
Donald Dwight Eason (June, 1958)	Durham
Spencer Staton Edmondson, Jr. (Feb., 1958)	Rocky Mount
Ronald Rhodes Estridge (June, 1958)	Asheville
Stanley McNair Farrior (June, 1958)	Burgaw
Marion Thomas Fine (June, 1958)	Thomasville
George Wilson Goolsby, Jr. (June, 1958)	Charlotte
Wayne Earl Gough (June, 1958)	Winston-Salem
Leonard Mann Gould (June, 1958)	Newport
Richard Oscar Grant, Jr. (June, 1958)	Wilmington
Robert Harold Harris (June, 1958)	Rocky Mount
†John Clinkscales Hopkins (June, 1958)	Charlotte
Byard Houck, Jr. (June, 1958)	W. Jefferson
Walter Robert Lane (June, 1958)	Wilmington
Claude Atlas Ledwell (Feb., 1958)	Linden
James Nevis McAlister (Feb., 1958)	Kannapolis
James Rowan McAllister, Jr. (Feb., 1958)	Dinwiddie, Va.
LeRoy Walter McCall (July, 1957)	Maxton
James Marshall McKenzie (June, 1958)	Salemberg
‡George Getzen Mathews (Feb., 1958)	Laurel Hill
James David Moss (June, 1958)	Gastonia
†John Albert Norville (June, 1958)	Brevard
‡Edward Wayne Nuckolls (June, 1958)	Hendersonville
†Robert Tracy Odum (June, 1958)	Raleigh
John Hal Oliver (June, 1958)	Smithfield
Robert Clarence Pearson (June, 1958)	Kings Mountain
C. Price Robinson, Jr. (June, 1958)	Gastonia
James Gordon Rodgers (June, 1958)	Salisbury
Robert Paul Roe (Feb., 1958)	Asheville
†Robert Clayton Rogers (June, 1958)	High Point
Gino Luis Rota (July, 1957)	Lima, Peru

†Honors; ‡High Honors.

John Alva Simpson (Feb., 1958)	Oxford
Joseph Ivan Sims (June, 1958)	Salisbury
John Gregory Sterken (June, 1958)	Rocky Mount
Grady Huston Sykes (June, 1958)	Charlotte
Walter Carr Thomas, Jr. (Feb., 1958)	Charlotte
Seymour Ralph Thum (Feb., 1958)	New York, N. Y.
*Lloyd Eugene Williams (June, 1958)	St. Petersburg, Fla.
Hunter McGuire Woodall, Jr. (Feb., 1958)	Raleigh
Daniel Duane Yager (June, 1958)	Leaksville
James Alvin York (June, 1958)	Raleigh

BACHELOR OF MECHANICAL ENGINEERING

James Bernice Arthur (June, 1958)	Kinston
Donald Wayne Ashby (June, 1958)	Kannapolis
†Hubert Paul Barringer (June, 1958)	Bessemer City
Donald Wilson Bean (June, 1958)	East Bend
Hugh Curtis Beeson (June, 1958)	Kernersville
James Hoyle Biggers, Jr. (June, 1958)	Monroe
‡Thomas Johnson Bost (June, 1958)	Newton
‡Tilson Edward Chappell (June, 1958)	Belvidere
†Paul Leonard Clark (June, 1958)	Greensboro
Donald Henry Clarke (June, 1958)	Grimesland
John Pope Clarke (June, 1958)	Norlina
Robert Clyde Cline (Feb., 1958)	Raleigh
Joe Kenneth Cochrane (June, 1958)	Rutherfordton
Jerry Douglas Coleman (June, 1958)	Wilmington
†James Elmer Dail (Feb., 1958)	Siler City
Richard Erdman S. Diggs (July, 1957)	Norfolk, Va.
†Robert Louis Edwards (June, 1958)	Sherrill's Fords
‡Charles Edward Feltner (June, 1958)	Raleigh
Sidney Hamilton Gordon (June, 1958)	Greensboro
Carroll Rufman Gray (June, 1958)	Elizabeth City
†William Albright Harrell (June, 1958)	Rocky Mount
Otis Haywood Henderson (June, 1958)	Charlotte
John Earl Hoover (June, 1958)	Greensboro
Lowell Thomas Hovis (June, 1958)	Belmont
Carroll Graham Jones (June, 1958)	Bailey
Marvin Ray Lanier (June, 1958)	Statesville
James Thomas Lewis (June, 1958)	Jonesville
George Frederick Long (June, 1958)	High Point
Joe Clarence McCaslin (June, 1958)	Maiden
Cecil Gray Madden (June, 1958)	Hamlet
William Edward Miller (June, 1958)	Salisbury
Claude Early Monsees (July, 1957)	Ridgeland
†Guy Arnold Myers, Jr. (June, 1958)	Winston-Salem
Benjamin Franklin Niven, Jr. (June, 1958)	Monroe
Arza Donald Patterson (June, 1958)	Winston-Salem
Glenwood Hayes Perry (June, 1958)	Zebulon
Ernest Gordon Poole (June, 1958)	Charlotte
Arthur Keith Pooser, Jr. (Feb., 1958)	Marion
Hoyt Lee Reel (June, 1958)	Marion
James Alvin Rice, Jr. (June, 1958)	Wilmington
Clyde Edward Richardson, Jr. (June, 1958)	Thomasville
James Charles Rogers (June, 1958)	Tabor City
†Robert Clayton Rogers (June, 1958)	High Point
Ralph Marion Rountree (June, 1958)	Gates
Charles Robert Shook (June, 1958)	Asheville
†Melvin Dean Sidbury (June, 1958)	Hampstead
†William David Smith (June, 1958)	Asheboro
†Larry Melvin Talbert (June, 1958)	Albemarle

†Honors; ‡High Honors; In absentia.

John Robert Terrell (June, 1958)	Waynesville
†John Franklin Vogler (June, 1958)	Mount Airy
Faison Young Whitaker, Jr. (June, 1958)	Durham
Leonard Alfred Willson, Jr. (July, 1957)	Raleigh
Kermit Marshall Winstead (June, 1958)	Sanford
William Richard Wyatt (June, 1958)	Winston-Salem
†George William Wynne (June, 1958)	Morganton

BACHELOR OF MECHANICAL ENGINEERING, AERONAUTICAL OPTION

†Richmond Pearson Boyden (June, 1958)	Asheville
Paul Caraway Brady (June, 1958)	Pamlico
Kenneth Eugene Brown (June, 1958)	New Bern
Lewis Eugene Clemmer, (June, 1958)	Gastonia
†Jimmy Truman Daughtridge (June, 1958)	Rocky Mount
James Minor Davis, Jr. (June, 1958)	Rocky Mount
Richard Benny Davis (June, 1958)	China Grove
Moses Grady Farmer (June, 1958)	Raleigh
†James Frank Groat, Jr. (June, 1958)	Winston-Salem
John Rex Gurley, Jr. (June, 1958)	Forest City
Kenneth Duane Hampton (June, 1958)	Asheville
Gerald Leigh Hunt (June, 1958)	Durham
Joseph Sebring Jones (June, 1958)	Monticello
Fred William Kear (June, 1958)	Alexandria, Va.
Robert Paul Kellar (June, 1958)	Brevard
William Earl McGee (June, 1958)	Greensboro
†Royce Leon McKinney (June, 1958)	Bakersville
William Harris Michie (June, 1958)	Roxboro
Clarence Thomas Modlin, Jr. (June, 1958)	Laurinburg
Charles Phillip Settlemeyer (June, 1958)	Kannapolis
†Billie Richard Todd (June, 1958)	Winston-Salem
Woodrow Wilson Vennel, II (June, 1958)	Raleigh
Havard Ashburn Wood (June, 1958)	Enfield

BACHELOR OF METALLURGICAL ENGINEERING

Ira Barry Choate (June, 1958)	Pineville
Thomas Daniel Culbreth (June, 1958)	Wilmington
John Joseph DuPlessis (June, 1958)	Richmond, Va.

BACHELOR OF NUCLEAR ENGINEERING

†Lewis Franklin Ballard (June, 1958)	Mooresville
Billy Gray Bass (Feb., 1958)	Thomasville
†Donald Stephen Bost (June, 1958)	Concord
Worth Byron Bowman, II (Feb., 1958)	High Point
William Francis Bradley, Jr. (June, 1958)	East Aurora, N. Y.
Richard Johnson Cashwell (June, 1958)	Lumberton
†Edgar Reid Cobb (June, 1958)	Burlington
†Wiley Bynum Crook (June, 1958)	Asheville
Harold Ray Denton (June, 1958)	Rocky Mount
John Joseph DuPlessis (June, 1958)	Richmond, Va.
William Alexander Graham, III (June, 1958)	Charlotte
William Hawley Grathwol (Feb., 1958)	Stratford, Conn.
†John Henry Harris, Jr. (June, 1958)	Norfolk, Va.
John Henry Heinbockel (June, 1958)	Manhasset, N. Y.
Steven Anderson Helms, Jr. (June, 1958)	Greensboro
Thomas Clifton Howard (June, 1958)	Denver
†Charles Robert Hutchins (June, 1958)	High Point
†Robert Phillip Kennel (June, 1958)	New Bern

†Honors; ‡High Honors.

William Edward Kiker (Feb., 1958)	Monroe
Karl Otto Koebberling (June, 1958)	Lenoir
Robert Ferebee Latham (June, 1958)	Mocksville
Robert Richard Liguori (June, 1958)	Southington, Conn.
†Robert Chamberlayne Lyne, Jr. (June, 1958)	Richmond, Va.
†George McBurney Makely (June, 1958)	Greensboro
†Lawrence Albright Mink (June, 1958)	Winston-Salem
†Paul Edward Niedercorn (June, 1958)	Pearl River, N. Y.
Harry Albert Osborne, Jr. (June, 1958)	Mocksville
†Gerald Heath Parker (June, 1958)	Salisbury
Eugene Francis Redden (June, 1958)	English, Ind.
†Harry Rood (June, 1958)	Greensboro
†Donald Henry Roy (June, 1958)	Raleigh
†Robert Bonnie Shain (June, 1958)	Wilmington
William Edward Smith, IV (June, 1958)	Goldsboro
Robert Emmett Sullivan (Feb., 1958)	Newton
†Doyle Patrick Swofford (June, 1958)	Greensboro
†Samuel Crews Walden (June, 1958)	Tabor City
†Albert Lee Wiley, Jr. (June, 1958)	Riegelwood

School of Forestry



BACHELOR OF SCIENCE IN FOREST MANAGEMENT

William Alvin Blalock (June, 1958)	Horse Shoe
Ronald Alan Brown (June, 1958)	Greensboro
Nephew King Clark, Jr. (Feb., 1958)	Savannah, Ga.
†John Harrison DeCoste (Feb., 1958)	Basking Ridge, N. J.
Alfred William Donegan (June, 1958)	Washington, D. C.
Thomas Alexander Eakins (June, 1958)	Ivanhoe
Theodore Weeden Earle, Jr. (June, 1958)	Savannah, Ga.
Hamilton Erwin (June, 1958)	Morganton
John Broughton Fortin, Jr. (June, 1958)	Decatur, Ga.
†Charles Robert Grady (June, 1958)	High Point
Gilmer Glenn Green (June, 1958)	Durham
Ralph Franklin Gurganus (Feb., 1958)	Richlands
Charles Baker Harding, Jr. (Feb., 1958)	Emporia, Va.
†Theodore Osgood Hilbourn, III (June, 1958)	Raleigh
Charles Cross Hills (June, 1958)	Georgetown, S. C.
Abdul R. I. Al-Jaffari (July, 1957)	Baghdad, Iraq
Mahlon B. Kunselman (Feb., 1958)	Fayetteville
Abdul Malik Salih (June, 1958)	Ana, Iraq
George Edward John Sawyer (June, 1958)	Murray Hill, N. J.
Robert Curtis Simmons (June, 1958)	Whiteville

†Honors; ‡High Honors.

Donald Morris Thompson (June, 1958)	Gastonia
Francis Lewis Thorne (Feb., 1958)	Ahoskie
Erich Carl Thorp (June, 1958)	Verona, N. J.
Marion Taylor Tilghman (June, 1958)	Weldon
*David Lawson Torrence (June, 1958)	Davidson
Thomas Bookhart Wood (Feb., 1958)	Greenville

BACHELOR OF SCIENCE IN PULP AND PAPER TECHNOLOGY

George Henry Andrews, Jr. (June, 1958)	Pittsboro
Wayne Setzer Barlow (June, 1958)	Lenoir
Herschel Herrin Cabe (June, 1958)	Sylva
David Humphery Dillard, Jr. (June, 1958)	Sylva
†Ernest Calvin Franklin (June, 1958)	Lynchburg, Va.
Ronald James Rough (Feb., 1958)	Mineola, N. Y.
Leon Allen Rundbaken (June, 1958)	New York, N. Y.
Michael S. Al-Simaani (July, 1957)	Baghdad, Iraq
†David Boyce White (June, 1958)	Franklin

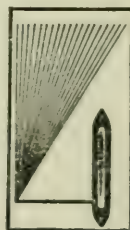
BACHELOR OF SCIENCE IN WOOD PRODUCTS MERCHANDISING

John Cameron Goodman (June, 1958)	Salisbury
Charles Neill O'Quinn (June, 1958)	Lumberton
Walter Lee Shearin, Jr. (June, 1958)	Roanoke Rapids
Bynum Crawford Westmoreland (June, 1958)	West Point, Va.

BACHELOR OF SCIENCE IN WOOD TECHNOLOGY

†Edward Watson Barden (June, 1958)	Amelia, Va.
Thomas Bryant Kennedy, Jr. (Feb., 1958)	Raleigh

School of Textiles



BACHELOR OF SCIENCE IN TEXTILE CHEMISTRY

†Rahmat Ali (June, 1958)	Lyallpur, Pakistan
Bobby Joel Bailey (June, 1958)	Rutherfordton
Woo Yong Cha (Feb., 1958)	Seoul, Korea
†Earl Sylvester Dunlap, Jr. (June, 1958)	Allentown, Penna.
Reginald Bernard Gillespie (June, 1958)	Greensboro
John Everett Howard (June, 1958)	Jesup, Ga.

†Honors; ‡High Honors; *In Absentia.

Nicholas Michael Lazzo (July, 1957)	Wilson
Charles Dwaine Livengood (June, 1958)	Churchland
† Marcos Wasserman Reines (June, 1958)	Bogota, Colombia, S. A.
† Olin Everette Wilson (June, 1958)	Raleigh
† J. C. Yancey (June, 1958)	Newton

BACHELOR OF SCIENCE IN TEXTILES

Ifthkhar Afzal (June, 1958)	Karachi, Pakistan
† Rahmat Ali (June, 1958)	Lyallpur, Pakistan
William Gordon Allin (Feb., 1958)	Pelham, N. Y.
Samuel Franklin Austin (June, 1958)	High Point
† Lloyd Robert Baird (Feb., 1958)	Morganton
† John David Barnhardt (June, 1958)	Charlotte
Henry Francis Beatty (June, 1958)	Charlotte
† Stanley Bertram Berman (June, 1958)	Englewood, N. J.
Lonnie Stubbs Brock, Jr. (Feb., 1958)	Rae ford
Donald Royal Carey (June, 1958)	Warwick, R. I.
† Lester Atlas Carpenter (Aug., 1957)	Rockingham
George C. Cochran (June, 1958)	Maysville, Ky.
† Billy Ray Coggins (June, 1958)	Thomasville
Dallas Bruce Cox (June, 1958)	Cordova
Bennie Burton Davis (July, 1957)	Rae ford
Bobby Drake Deans (June, 1958)	Rocky Mount
Panickaruvedu Joseph Eipe (Aug., 1957)	Kangagha, India
James Luther Elsmore (June, 1958)	Statesville
Edwin Darrell Fleming (June, 1958)	Enfield
Vance Garrison Fowler (June, 1958)	Henderson
Neil Roger Futterman (Aug., 1957)	Brooklyn, N. Y.
Robert Samuel Gardner (June, 1958)	Malverne, N. Y.
Richard Blaine Goudie (June, 1958)	Downingtown, Penna.
Richard Lee Graves (June, 1958)	Denton
Lonnie Jasper Griffin (June, 1958)	Kinston
Zafar Hassan (Feb., 1958)	Karachi, Pakistan
Robert Paul Hastings (June, 1958)	Lawndale
Dwight Wofford Hasty (Feb., 1958)	Laurinburg
Ray Eugene Hatcher (July, 1957)	Statesville
John Cantey Heath (June, 1958)	Spartanburg, S. C.
† James Robert Howard (June, 1958)	Kannapolis
Lacy Bruce Howell, Jr. (June, 1958)	Rockingham
Robert Carter Hunter (June, 1958)	Asheville
Nathan Elkan Isaacson (Feb., 1958)	Lawrence, N. Y.
William Mortimer Israel (June, 1958)	Montreal, Canada
† Lewis Clark Jackson (June, 1958)	Cramerton
Carl Richard Jacobs (June, 1958)	New York, N. Y.
† Harris Lee Johnson (June, 1958)	Asheboro
Joseph Leland Keith, III (June, 1958)	Grafton, Mass.
Donald Heide Kirby (June, 1958)	Charlotte
James Richard Lackey (June, 1958)	Statesville
Sanford Lawrence Levine (June, 1958)	Brooklyn, N. Y.
Helen Joyce Bazemore Liske (July, 1957)	Mt. Olive
Tolley Burnett McLaughlin (June, 1958)	Asheboro
Francis Bruce MacMillan (June, 1958)	Ramsey, N. J.
Neal Leighton McRaney, Jr. (June, 1958)	Laurinburg
† Kulathinal Mathew Mathew (Feb., 1958)	Travancore, India
Ben Coakley Mayo, II (June, 1958)	Tarboro
Michael Joseph Miller (June, 1958)	Allentown, Penna.
Ronald Baxter Moore (June, 1958)	Franklinton
Charles Mitchell Nance (Feb., 1958)	Greensboro
Robert Lloyd Nance (Feb., 1958)	Raleigh

† Honors; ‡ High Honors.

Walter Bates Peterson (Feb., 1958)	Charlotte
David Arville Poole (June, 1958)	Rockwood, Tenn.
Vernon Roberson Pope (Feb., 1958)	Durham
†Jimmy Langston Poteat (June, 1958)	Yanceyville
Kendrick Benton Presson (June, 1958)	Wilmington
Robert Moore Price (June, 1958)	Raleigh
Clarence Elbert Ray, Jr. (June, 1958)	Graham
John Michael Reed, Jr. (June, 1958)	Charlotte
Donald Marvin Reiter (June, 1958)	Forest Hills, N. Y.
William Daniel Reynolds, Jr., (Feb., 1958)	Laurinburg
Jennings Farrell Ridenhour (Feb., 1958)	Albemarle
William Meredith Ritchie (June, 1958)	Salisbury
Hugh DeArmond Sample (June, 1958)	Greensboro
Robert Philip Seitz (June, 1958)	Oaklyn, N. J.
†Ashok Ramanlal Shah (Feb., 1958)	Bombay, India
†Hsueh Yao Shih (June, 1958)	Ningpo, China
Charles Hunt Shuford (June, 1958)	Hickory
Charles Warren Stephenson (June, 1958)	Oxford
†Kenneth Franklin Stout (June, 1958)	Asheboro
Frank Joseph Strauss (Feb., 1958)	Laurelton, N. Y.
Robert Jules Tanen (June, 1958)	Brooklyn, N. Y.
Richard Michael Tanner (Feb., 1958)	Yonkers, N. Y.
Howard Livingston Taylor (June, 1958)	Spindale
Dimitrios Basil Theodoridis (Feb., 1958)	Athens, Greece
†John Edward Thomas, Jr. (Feb., 1958)	Goldston
†George Neale Tillottson (June, 1958)	Sioux Falls, S. Dak.
James Harold Turner, Jr. (Feb., 1958)	Polkton
Jorge Uribe-Arias (Feb., 1958)	Medellin, Colombia, S. A.
John Francis Verreault, Jr. (Feb., 1958)	Valdese
†Harold Alfred Wagner (June, 1958)	Cooleemee
Clyde Fairfax Wilmeth, Jr. (July, 1957)	Mount Olive
David Jan Worthington (June, 1958)	Princeton
Norman Gray Yarber (June, 1958)	Greensboro
Ibrahim Yuceyar (Feb., 1958)	Izmir, Turkey
Alejandro Landicho Yujuico, Jr. (June, 1958)	Manila, Philippines

Professional Degrees

CERAMIC ENGINEER

Winfred Mills Kenan (Feb., 1958)	Clinton
----------------------------------	---------

CHEMICAL ENGINEER

William Brevard Cashion (July, 1957)	Hickory
William Chreston Holoman (June, 1958)	Raleigh

ELECTRICAL ENGINEER

•Ralph Parker Coble, Jr. (June, 1958)	Greensboro
---------------------------------------	------------

†Honors; ‡High Honors; •In Absentia.

Advanced Degrees



MASTER OF AGRICULTURE

Francisco Baldovinos (Feb., 1958)..... Mexico City, Mexico
Muhammad Shuaib (Feb., 1958)..... Montgomery, W. Pakistan

MASTER OF AGRICULTURAL EDUCATION

Harry Geddie Beard (July, 1957)..... Fayetteville
John Lisker Tart (Feb., 1958)..... Goldsboro
Avron Buron Upchurch (June, 1958)..... Sanford
Eddie Kay Wilson (July, 1957)..... Columbus

MASTER OF INDUSTRIAL ARTS

Andrew Edward Cuneo (Aug., 1957)..... Waycross, Ga.
Henry Irwin Rahn, Jr. (June, 1958)..... Leaksville

MASTER OF OCCUPATIONAL INFORMATION AND GUIDANCE

Miriam Daughtry (Feb., 1958)..... Raleigh
Nina Wilcox Parsons (Feb., 1958)..... Wendell

MASTER OF FORESTRY

*Aldin Earl Haight, Jr. (June, 1958)..... Follansbee, W. Va.
James Patton Roberts (June, 1958)..... Wynnewood, Penna.

MASTER OF WOOD TECHNOLOGY

Arthur Weldon Gilliam (Feb., 1958)..... Farmville

MASTER OF SCIENCE

Department of Agricultural Economics

Nunan Carson Branan (Feb., 1958)..... Norman Park, Ga.
Robert Charles Brooks (June, 1958)..... Oxford
*Willie Glenn Tussey (June, 1958)..... Lexington

Department of Agricultural Engineering

Joe Millard Bunn (Aug., 1957)..... Pikeville

Department of Animal Industry

Charles William Dill (Aug., 1957)..... Berea, Ky.
George Leland Ellis (Feb., 1958)..... Goldsboro
Richard Allison Ledford (June, 1958)..... Charlotte
Aden Combs Magee, III (Aug., 1957)..... College Station, Tex.

*In Absentia.

William Gilbert Martin (June, 1958)	Arcadia, La.
James William Patterson (June, 1958)	Franklin
Robert Talmadge Smallwood, Jr. (Feb., 1958)	New Albany, Miss.
Alvin Edwin Woods (June, 1958)	Murfreesboro, Tenn.
Charles Wesley Young (Feb., 1958)	Billings, Okla.
Joseph Earl Young (Feb., 1958)	Grant, La.

Department of Chemistry

George Albert Callies, Jr. (July, 1957)	Thornwood, N. Y.
William Rue Evans (July, 1957)	Follansbee, W. Va.
Samuel Horace Freeman (June, 1958)	Savannah, Ga.
John Arthur Succo (July, 1957)	Staten Island, N. Y.

Department of Experimental Statistics

Douglas Keith Dale (Feb., 1958)	Ottawa, Canada
George Thomas Foradori (Feb., 1958)	Brooklyn, N. Y.
*Joe Sebastian Gutierrez (June, 1958)	Malabon, Philippines
Richard Roland Prairie (Feb., 1958)	Pine City, Minn.
Amador D'Bayan Yniguez (Aug., 1957)	Laguna, Philippines

Department of Field Crops

Carl Thomas Blake (July, 1957)	Burgaw
Robert McCall Brinkley (Aug., 1957)	Marion
Raymon Jerrell Hefner (Feb., 1958)	Beebe, Ark.
Alfred Jones (Aug., 1957)	Richmond, Va.
George Eugene Spain (June, 1958)	Henderson
*Ray Edward Worley (June, 1958)	Robbinsville

Department of Horticulture

Charles Edward DePoe (Feb., 1958)	Southampton, N. Y.
Clive Wellington Donoho, Jr. (June, 1958)	Portland, Tenn.

Department of Plant Pathology

Guy Vernon Gooding, Jr. (Feb., 1958)	Kenansville
Ellsworth Chapman Maine (June, 1958)	Cranston, R. I.

Department of Rural Sociology

Elsa Lapuz Gutierrez (Feb., 1958)	Malabon, Philippines
Hugh Max Miller (June, 1958)	Winston-Salem

Department of Soils

Carlostadio Sanchez (June, 1958)	Cali, Colombia, S. A.
----------------------------------	-----------------------

Department of Occupational Information and Guidance

Betty Edenfield Cogswell (June, 1958)	Raleigh
Alton Earl Dail (July, 1957)	Mount Olive
Judson Ross Dicks (July, 1957)	Fayetteville
Gilbert Gray Ragland (June, 1958)	Oxford
Cynthia Hege Rodgers (June, 1958)	Salisbury

* In Absentia

Department of Psychology

Marjorie Elaine Davidson (Aug., 1957)	Ponoka, Canada
William George Evans (Feb., 1958)	Greensboro
William Thomas Pace, III (Feb., 1958)	Franklin, Va.
Rachel Fulton Rawls (June, 1958)	Raleigh
John Halbert Wakeley (June, 1958)	Mansfield, Ohio

Department of Chemical Engineering

Jimmy Burjorjee Fracis (Aug., 1957)	Secunderabad, India
Robin Pierce Gardner (June, 1958)	Zebulon
Robert Gene Garvin (Aug., 1957)	Laurel, Miss.
Didier Leray (Feb., 1958)	Paris, France
Stanley Chienpin Li (July, 1957)	Province, China
Paul Henkle McGinnis, Jr. (Feb., 1958)	Kings Mountain
Rafael Alberto Pavia (June, 1958)	Bogota, Colombia, S. A.
Addison Keith Phifer (Feb., 1958)	Marshville

Department of Civil Engineering

James Allen Arnold (June, 1958)	Raleigh
Daniel Narcisse Cote (June, 1958)	Durham
Glenn Alfred Eason (June, 1958)	Selma
John Dixon Edwards, Jr. (Feb., 1958)	Raleigh
Edmund Joseph Struzeski, Jr. (Aug., 1957)	Patchogue, N. Y.

Department of Electrical Engineering

Edward Joseph Orth, Jr. (June, 1958)	Birmingham, Ala.
Benjamin Riley Tripp (June, 1958)	Ayden
Hsi-shen Tsou (June, 1958)	Taipei, China
George Spiros Zorbalas (June, 1958)	Chalcis, Greece

Department of Industrial Engineering

Raul Eduardo Alvarez (June, 1958)	Buenos Aires, Argentina, S. A.
-----------------------------------	--------------------------------

Department of Mathematics

*Robert Milton Hoover (June, 1958)	Newark, Ohio
*Verle Lafayette Johnston (June, 1958)	Chicago, Ill.
Paul Harold Porter (June, 1958)	Kelly

Department of Mechanical Engineering

John Auert Edwards (June, 1958)	Middletown, N. Y.
Edgar Franklin Tatum, Jr. (Feb., 1958)	Moultrie, Ga.

Department of Mineral Industries

Charles Wellborn Fortson, Jr. (June, 1958)	Atlanta, Ga.
James Thomas Tanner, Jr. (Feb., 1958)	Raleigh

Department of Physics

Charles James Bridgman (June, 1958)	Las Vegas, Nev.
John Edgar Brooke (June, 1958)	Dahlonge, Ga.
James William Daughtry (June, 1958)	Register, Ga.
George Forrest Hampton (June, 1958)	Signal Mountain, Tenn.
Thomas Leroy Jackson (Feb., 1958)	Chicago, Ill.
Bobby Eugene Leonard (June, 1958)	Raleigh

*In Absentia.

Albert Thomason McMain, Jr. (Feb., 1958)	Richmond, Mich.
Ora Billy Morgan, Jr. (June, 1958)	Kershaw, S. C.
Michel Perbos (Feb., 1958)	Paris, France
Joe Harry Sheard (June, 1958)	Shreveport, La.
Fuhed Sucar (Feb., 1958)	Mexico City, Mexico
William Smith Thompson (June, 1958)	Goldsboro

School of Forestry

William Curtis Asher (July, 1957)	Letcher, Ky.
Calvin Joseph Reis (June, 1958)	Allentown, Penna.

School of Textiles

Fathy Ahmed Aly (Feb., 1958)	Alexandria, Egypt
*Galal Abdel-Hamid Daabis (June, 1958)	Damanhur, Egypt
*Fawzi Hussein Fawzi (June, 1958)	Alexandria, Egypt
Hassan Ibrahim Makhoulouf (June, 1958)	Alexandria, Egypt
*Mohsen Ibrahim El Nashar (June, 1958)	Alexandria, Egypt
*Hassan Ahmed Oteifa (June, 1958)	Alexandria, Egypt

Doctor of Philosophy

Charles William Alexander (July, 1957)	Olathe, Kan.
William Vernon Campbell (June, 1958)	Norfolk, Va.
Harvey Leonard Cromroy (Feb., 1958)	Malden, Mass.
Jack Dent Early (Feb., 1958)	Florence, S. C.
Donald Edward Farris (June, 1958)	Alma, Ark.
Barton Roby Farthing (Feb., 1958)	Sugar Grove
Edmund Alpheus Gehan (Aug., 1957)	Brooklyn, N. Y.
Clarence Arthur Hart (July, 1957)	Norton, Va.
Hazim Ahmed Al-Jibouri (Aug., 1957)	Mosul, Iraq
John Clement Koop (Feb., 1958)	Rangoon, Burma
Leo Emery LaChance (June, 1958)	Brunswick, Maine
Iain McDonald (Aug., 1957)	Salisbury, S. Rhodesia
Robert John Miravalle (July, 1957)	St. Louis, Mo.
Lynn Keith Porter (Aug., 1957)	Helper, Utah
Nathaniel Thomas Powell (June, 1958)	Halifax, Va.
Robert Dale Riggs (June, 1958)	Pocahontas, Ark.
Robert Rozett (June, 1958)	New York, N. Y.
Jagdish Seth (June, 1958)	Bareilly, India
Edward Carroll Sisler (June, 1958)	Friendsville, Md.
William Thomas Spink (June, 1958)	Miami, Fla.
Grant Worthington Thomas (June, 1958)	Arlington, Va.
Dirk Van der Reyden (July, 1957)	Pretoria, S. Africa
Wasudeo Gopalrao Walunjkar (July, 1957)	Wardha, India
Wolfgang Heinrich Wessling (Feb., 1958)	Goslar, Germany

*In Absentia.

Recipients of Honorary Degrees

FOR THE HONORARY DEGREE OF DOCTOR OF HUMANITIES

HALBERT MCNAIR JONES was born in Laurinburg, North Carolina. He graduated from the University at Chapel Hill, and later earned a Master's Degree in Business Administration at Harvard University.

Mr. Jones has distinguished himself in his business, his community, his church, and in education. He has served as President of Waverly Mills since 1935, and he is a director in ten North Carolina corporations embracing agriculture, manufacturing, finance, and insurance.

In spite of his many business interests, Mr. Jones has found time to serve as Chairman of the Laurinburg School Board since 1951. He has served continuously on the Board of Trustees of Flora Macdonald College since 1936. He was Acting President of Flora Macdonald from 1948 to 1950.

His strong interest in higher education is further evidenced by his work with the Presbyterian Church in this field both at the state level where he is presently a member of the Board of Trustees of the Consolidated Presbyterian College, and nationally where he was elected Chairman of the Advisory Council on Higher Education in 1953.

At the peak of this continuing career of leadership and service, North Carolina State College is honored to give special recognition to Halbert McNair Jones.

FOR THE HONORARY DEGREE OF DOCTOR OF SCIENCE

WILLIAM GARDNER VAN NOTE was born in Atlantic Highlands, New Jersey. He earned his Bachelor of Science degree in Chemical Engineering at Rensselaer Polytechnic Institute and later his Doctor of Philosophy degree at Pennsylvania State College.

Dr. Van Note has made many contributions to engineering and to engineering education. He has been President of Clarkson College, Potsdam, New York, since 1951.

In 1931, Dr. Van Note joined the faculty of North Carolina State College as an instructor in Chemical Engineering. During the next twenty years he was consistently and actively interested in the professional development and growth of the College. In 1946 he was appointed Director of Engineering Research. In his capacity as the first Director, Dr. Van Note gave leadership to bringing engineering research at the College to a high level of accomplishment.

The faculty of the institution to which Dr. Van Note has made significant contributions welcomes him back to the campus to receive an honor that he richly deserves.

FOR THE HONORARY DEGREE OF DOCTOR OF HUMANITIES

CONRAD LOUIS WIRTH, a native of Connecticut, holds the degree of Bachelor of Science in Landscape Architecture from the University of Massachusetts.

Long recognized and honored at home and abroad for his accomplishments in the fields of public parks and recreation, Mr. Wirth has been a member of the National Park Service for thirty years and its Director since 1951.

Keenly interested in the provision of adequate recreational facilities for everyone, Mr. Wirth initiated the movement which resulted in the passage by Congress of the Park, Parkway and Recreational Area Study Act in 1936; and he directed the state-by-state studies which were undertaken under the authority of this Act. It has been through his efforts and zeal that many areas throughout this country have been set aside by the government to be used as public parks.

It is indeed a pleasure for North Carolina State College to pay special honor to this dedicated public servant for his broad vision and untiring efforts on behalf of his fellow citizens.

Awards for Achievement

1957-1958

SCHOOL OF AGRICULTURE

Agricultural Engineering: American Society of Agricultural Engineers Student Honor Awards: Carl Wilburn Toney, Mooresboro; Gerald Dwight Simmons, Albertson.

Agricultural Economics: Wall Street Journal Award: Clair Edward Norris, Columbia.

Agronomy: Senior Highest Scholastic Average in Crops and Soils: Charles Leonard Parker, Varina.

American Society of Agronomy Award, Most Outstanding Senior: Howard Gordon Small, Jr., Fair Bluff.

National Plant Food Institute Achievement Award: James William Hendrix, Greenville.

National Plant Food Institute Leadership Award: James Linwood Knowles, Jr., Jamesville.

Alpha Zeta: The Burkette-Cunningham-Dennis Award: Cecil Charlie Brooks, Sparta.

Animal Industry: The Fred M. Haig Trophy: George Kenneth Davis, Bessemer City.

Chemistry: The Chemical Rubber Company Achievement Award: Margaret Louise Craig, Fuquay Springs.

Gamma Sigma Delta: School of Agriculture Outstanding Senior Award: Charles Leonard Parker, Varina.

Horticulture: Most Outstanding Senior Award: Harry Lee Neely, Jr., Charlotte.

SCHOOL OF DESIGN

American Institute of Architects School Medal: Ignacio Maria Zubizarreta, Caracas, Venezuela.

American Institute of Architects Book Award: Robert Dean Turner, Ipswich, Massachusetts.

American Society of Landscape Architects Certificate of Merit: William Warren Edwards, Oklahoma City, Oklahoma.

Alpha Rho Chi Medal: Charles Seymour Sax, New York, New York.

North Carolina Chapter of American Institute of Architects Book Award: Earl Wayne Taylor, Maple.

SCHOOL OF EDUCATION

Kappa Phi Kappa Scholarship Medal: Thomas Earl Carpenter, Albemarle.

SCHOOL OF ENGINEERING

The School of Engineering Award: Gold Watch to Outstanding Senior in School of Engineering. Edward W. Nuckolls, (Industrial and Physics—double major), Hendersonville.

The Hamilton Watch Award: Watch awarded to a Senior by Hamilton Watch Company—Donald Henry Roy, (Nuclear Engineering), Raleigh.

Ceramic Engineering: Moland-Drysdale Scholarship Cup—Walter Jackson Lackey, Jr., Fallston.

Chemical Engineering: American Institute of Chemical Engineers Certificate—William Marcus Massey, Jr., Wilmington.

Civil Engineering: Chi Epsilon Award—Larry Baxter Smith, Marshville.

Electrical Engineering: Eta Kappa Nu Sophomore Award—Larry K. Monteith, Raleigh.

Outstanding Senior in Engineering and Institute of Radio Engineers—No award this year.

Mechanical Engineering: Pi Tau Sigma Award—James Uriah Crowder, Jr., Asheville.

The Institute of Aeronautical Sciences Scholarship Award: Richmond Pearson Boyden, Asheville.

Tau Beta Pi: National Engineering Fraternity Award—William Taylor Easter, Winston-Salem.

SCHOOL OF FORESTRY

Xi Sigma Pi Senior Award: James Conrad Stevenson, Clemson, S. C.

Xi Sigma Pi Freshman Award: Norman Arnold Russell, Raleigh.

Homelite Honor Senior Award: Edward Barden, Amelia, Virginia.

Homelite Honor Junior Award: Jack C. Sturgill, Norton, Virginia.

Southeastern Division of the American Pulp and Paper Mill Superintendents Association Award: David Boyce White, Franklin.

SCHOOL OF GENERAL STUDIES

Rudolph E. Freund Prize for Excellence in the Social Sciences: Kenneth Franklin Stout, Asheboro.

SCHOOL OF TEXTILES

American Association of Textile Chemists and Colorists Award: Olin Everett Wilson, Raleigh.

American Association for Textile Technology Award: Harris Lee Johnson, Asheville.

Phi Psi Fraternity Scholarship Award. Outstanding Graduating Senior in the School of Textiles, Lewis Clark Jackson, Cramerton.

Textile Veterans Association Award: John David Barnhardt, Charlotte.

Sigma Tau Sigma Fraternity Scholarship Award: Kenneth Franklin Stout, Asheville.

Delta Kappa Phi Fraternity Senior Award: Selected by the Senior Class—Kenneth Franklin Stout, Asheville.

Saul F. Dribben Memorial Award: Given by Textiles Veterans Association—Neil Leighton McRainey, Laurinburg.

ALUMNI ATHLETIC TROPHY

Richard Carson Hunter, Leechburg, Pennsylvania.

PHI KAPPA PHI, NATIONAL HONORARY SCHOLARSHIP SOCIETY

Graduate Student Ph.D. Award—Robert Rozett, Raleigh.

Graduate Student Masters Award—George T. Foradori, Raleigh.

Sophomore Honorary Award—John T. Welch, Jr., Oxford.

Junior Honorary Awards—William T. Easter, Winston-Salem and Frank R. Huff, Peekskill, New York.

Senior Honorary Awards—Robert P. Kennel, New Bern; Donald H. Roy, Raleigh; and Kenneth F. Stout, Asheville.

AIR FORCE AWARDS LIST FOR 1958

The American Legion Medal. Cadet 2nd Lt. Robert L. Wilkins, Jr., Fayetteville.

Sons of the American Revolution Medal, Cadet S/Sgt. Michael A. Stroupe, Bessemer City.

Major General William C. Lee Scholarship. Cadet Kenneth A. Dunning, Kinston.
 Scabbard and Blade Award. Cadet S/Sgt. Jerry A. Sawyer, New Bern.
 Armed Forces Communications & Electronics Award. Cadet Lt. Col. James W. Harrill, Raleigh.
 Society of American Military Engineers ROTC Award of Merit. Cadet Col. Robert P. Kennel, New Bern.
 Air Force Association Award. Cadet Lt. Col. Moses P. Davis, Sanford.
 Consolidated Vultee Aircraft Corporation Award. Cadet S/Sgt. Henry D. Cranfill, Winston-Salem.
 Professor of Air Science Award. Cadet Major Richard O. Grant, Wrightsville Beach.
 AFROTC Flight Leader Award. Cadet 1st Lt. Ivey E. Williamson, Lucama.
 AFROTC Drill Award. Cadet Major Wilbourne E. Hamner, Newport News, Va.
 Arnold Air Society Award. Cadet Captain Lloyd B. Worthington, Winterville.
 Chicago Tribune Silver Medal (AS I). Cadet Robert E. Wilson, Lawndale.
 Chicago Tribune Silver Medal (AS II). Cadet S/Sgt. Louis B. Kirchdorfer, Roseboro.
 Chicago Tribune Gold Medal (AS III). Cadet Major John A. Sprinkle, Jr., Winston-Salem.
 Chicago Tribune Gold Medal (AS IV). Cadet Major Harry W. Ingold, Cary.
 Daughters of the Founders and Patriots of America Award. Cadet Dean H. Reber, York, Pa.
 Director of Training Award. Cadet Major Carrol G. Jones, Bailey.
 AFROTC Rifle Team Monogram Awards. Cadet 1st Lt. Lee W. Cash, Shelby; Cadet Asa M. Franklin, Kinston; Cadet Don L. Orr, Sanford; Cadet A/1C Richard S. Buynitsky, Washington, D. C.; Cadet David S. McRae, Ellerbe.
 Honor Flight Award. Second Flight, "E" Squadron. Cadet 1st Lt. Ivey E. Williamson, Commander, Lucama.
 Honor Squadron Award. "K" Squadron, Cadet Major Richard O. Grant, Commander, Wilmington.

ARMY ROTC AWARDS

The Department of the Army Superior Senior Cadet Awards. Senior Class: Cadet Lt. Colonel Robert Chamberlayne Lyne, Jr., Richmond, Va.; Junior Class: Cadet Master Sergeant Lawrence Harris, Jr., Wake Forest; Sophomore Class: Cadet Sergeant Wallace Riddick Baker, Jr., Belvidere; Freshman Class: Cadet Private First Class Cecil Neal Carter, Plymouth.
 Certificate of Meritorious Leadership Achievement. Cadet Lt. Colonel Teddy Gray Allen, Farmville.
 The Colonel John W. Harrelson Scholarship Award. Cadet Private George Walker Garrison, Jr., Statesville.
 Association of the United States Army Medal. Cadet Master Sergeant Frank Mallard Alley, Jr., King.
 American Ordnance Association Key. Cadet Major Richard Johnson Cashwell, Lumberton.
 Professor of Military Science and Tactics Award. Cadet Major Leonard Franklin Dean, Oxford, Company "H."
 Best Drilled Platoon Award. Cadet 1st Lt. Sherrill Kermit Brinkley, Mocksville, 2nd Platoon, Company "C."
 Master Sergeant Horace Carter Thomas, Sr. Award. Cadet Private William Francis Cummings, Jr., Colonial Heights, Va.
 Chicago Tribune Gold Medals. Cadet Lt. Colonel Charles Warren Stephenson, Oxford; Cadet Major Robert Laverne McGarr, Lenoir.
 Chicago Tribune Silver Medals. Cadet Major Robert Strange Williams, Jr., Erwin; Cadet Captain Lyman Burwell Harris, Jr., Grifton.
 Outstanding Achievement Awards for Meritorious Service. Cadet 2nd Lt. Thomas Preston Lennon, Anderson, S. C.; Cadet Major Donald Morris Sutton, Charlotte.
 Society of American Military Engineers Medal. Cadet Colonel Theo Clyde Pilkington, Durham.

Armed Forces Chemical Association Award. Cadet Captain Mark Richard Schiff, New Hyde Park, N. Y.

American Legion Medal. Cadet Major James Reid Misenheimer, Shelby.

Sons of the American Revolution ROTC Medal. Cadet Master Sergeant William Byrd Kay, Jr., Red Springs.

Scabbard and Blade Award. Cadet Private Homer Jackson Faw, Jr., Conover.

Scabbard and Blade Marksmanship Medal. Cadet 1st Lt. Charles Milton Houser, Vale.

Armed Forces Communications and Electronics Award. Cadet 1st Lt. William Clyde Roberson, Jr., Williamston.

Daughters of Founders and Patriots of American Award. Cadet Private James Robert Reynolds, Boone.

The Pershing Rifles Achievement Medals. Cadet Private First Class George Gary Shoemaker, Fort Bragg; Cadet Private Charles Eugene Rickell, Frederick, Md.

The Pershing Rifles Silver Medal. Cadet Captain Sam Taylor Smathers, Canton.

Reserve Officers Association Honor Award. Cadet Major David Benjamin Brown-ing, Jr., Edenton.

STATE COLLEGE RECORD

NORTH CAROLINA STATE COLLEGE

RALEIGH

1958

Summer Session

TWO SIX-WEEK TERMS

JUNE 10-JULY 18
JULY 21-AUGUST 28

NORTH CAROLINA STATE COLLEGE

1958 SUMMER SESSION

CALENDAR

FIRST TERM

June 9	Monday	Freshman orientation and testing
June 10	Tuesday	Registration. Late registration fee of \$5 payable by all registering after June 10.
June 11	Wednesday	First day of classes
June 16	Monday	Last day for registration and last day to withdraw with refund
June 20	Friday	Last day for dropping courses without failure and last day to withdraw without failure
July 4	Friday	Holiday
July 16	Wednesday	Last day of classes
July 17-18	Thursday, Friday	Final examinations

SECOND TERM

July 21	Monday	Freshman orientation and testing
July 22	Tuesday	Registration. Late registration fee of \$5 payable by all registering after July 22
July 23	Wednesday	First day of classes
July 28	Monday	Last day for registration and last day to withdraw with refund
August 1	Friday	Last day for dropping courses without failure and last day to withdraw without failure
August 26	Tuesday	Last day of classes
August 27-28	Wednesday, Thursday	Final examinations

STATE COLLEGE RECORD

Vol. 57

April, 1958

No. 8

STATE COLLEGE STATION

Published monthly by the North Carolina State College of Agriculture and Engineering. Entered as second-class matter October 16, 1917, at the Post Office at Raleigh, N. C. under the Act of August 24, 1912.

Aerial View of Campus —————>



OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY OF NORTH CAROLINA

William C. Friday, B.S., LL.B. *President*
William M. Whyburn, Ph.D., LL.D. *Vice-President, Graduate Studies and Research*
William D. Carmichael, S.B. *Vice-President and Finance Officer*

NORTH CAROLINA STATE COLLEGE

Carey H. Bostian, Ph.D. *Chancellor*
John W. Shirley, Ph.D. *Dean of the Faculty*
J. Graves Vann *Business Manager*
Lex. L. Ray *Director of Foundations*
James J. Stewart, M.A. *Dean of Student Affairs*

THE SCHOOLS

Dean W. Colvard, Ph.D. *Dean of the School of Agriculture*
Henry L. Kamphoefner, M.S., Arch *Dean of the School of Design*
James B. Kirkland, Ph.D. *Dean of the School of Education*
John H. Lampe, Dr. Eng. *Dean of the School of Engineering*
Richard J. Preston, Ph.D. *Dean of the School of Forestry*
C. Addison Hickman, Ph.D. *Dean of the School of General Studies*
Malcolm E. Campbell, B.S. *Dean of the School of Textiles*
Donald B. Anderson, Ph.D. *Dean of the Graduate School*

DIRECTORS OF INSTRUCTION

Herman B. James, Ph.D. *School of Agriculture (111 Patterson Hall)*
Robert G. Carson, Jr., Ph.D. *School of Engineering (232 Riddick)*
Edward A. Murray, B.S. *School of Textiles (115 Nelson Textile)*

ADMISSIONS AND REGISTRATION

Kenneth D. Raab, M.A. *Director (13-C Holladay Hall)*

THE SUMMER SESSIONS

Philip M. Rice, Ph.D. *Director (101 Pullen Hall)*

THE SUMMER SESSION FACULTY

VISITING FACULTY

CLEVELAND J. BRADNER, JR., M.A.

Associate Professor of Philosophy, East Carolina College, Greenville, N. C.

REGULAR FACULTY

FRED J. ALLRED, M.A.

Assistant Professor of Modern
Languages

ROY NELS ANDERSON, Ph.D.

Professor of Education

ANTONIOS ANTONAKOS, Ph.D.

Assistant Professor of Physics

LINDSEY OTIS ARMSTRONG, M.S.

Professor of Agricultural Education

STANLEY THOMAS BALLENGER, M.A.

Associate Professor of Modern
Languages

KEY LEE BARKLEY, Ph.D.

Professor of Psychology

WILLIAM J. BARNHART, Ph.D.

Assistant Professor of English

ELLIOTT RAY BARRICK, Ph.D.

Professor of Animal Industry

ANDREW JACKSON BARTLEY, M.A.

Assistant Professor of Economics

EDWARD G. BAUHL, D.V.M.

Professor of Animal Industry

ERNEST BEZOLD BERRY, B.S.

Assistant Professor of Textiles

GEORGE L. BIRELINI, B.F.A.

Instructor in Design

RALPH C. BOLES, Ed.D.

Assistant Professor of Mathematics

VESTER R. BRANTLEY, M.A.

Assistant Professor of Mathematics

PAUL ARNOLD BREDENBERG, Ph.D.

Associate Professor of Philosophy
and Religion

HALBERT F. BRINSON, B.C.E.

Instructor in Engineering Mechanics

MARVIN LUTHER BROWN, JR., Ph.D.

Associate Professor of History and
Political Science

IALMAGE THURMAN BROWN, SR., M.S.

Associate Professor of Poultry Science

EMMETT JOHN CANADAY, M.A.

Assistant Professor of Mathematics

JOSEPH DEADRICK CLARK, M.A.

Professor of English

JOHN MONTGOMERY CLARKSON, Ph.D.

Professor of Mathematics

JAMES LAWRENCE COLE, M.A.

Instructor in Social Studies

HERBERT COLLINS, M.A.

Assistant Professor of Sociology
and Anthropology

HENRY CHARLES COOK, M.A.

Assistant Professor of Mathematics

JOHN O. COOK, Ph.D.

Assistant Professor of Psychology

HAROLD MAXWELL CORIER, Ph.D.

Professor of Psychology

DANIEL N. COTE, B.S.C.E.

Instructor in Civil Engineering

ARTHUR JAMES COUTU, Ph.D.

Associate Professor of
Agricultural Economics

ALBERT CRAWFORD, M.Ed.

Assistant Professor of Industrial
and Rural Recreation

WILLIAM ROBERT DAVIS, Ph.D.

Assistant Professor of Physics

ROBERT LYLE DOUGH, M.S.

Instructor in Physics

- WILLIAM F. EDWARDS, M.A.
Instructor in Social Studies
- ROBERT N. ELLIOTT, Ph.D.
Assistant Professor of Social Studies
- EMOL ATWOOD FAIR, Ph.D.
Associate Professor of Economics
- WALTER CURTIS FITZGERALD, JR., B.D.
Instructor in Philosophy and Religion
- ALVIN MARCUS FOUNTAIN, Ph.D.
Professor of English
- RAUL M. FREYRE
Instructor in Physics
- MONROE EVANS GARDNER, B.S.
Professor of Horticulture
- RICHARD W. GOLDSMITH, M.A.
Instructor in English
- CLIFTON W. GRAY, M.A.
Instructor in Psychology
- HAZEL GRIFFIN, M.A.
Instructor in English
- GEORGE ALBERT GULLETTE, Ph.D.
Professor of Social Studies
- FREDERICK MORGAN HAIG, M.S.
Professor of Animal Industry
- RUTH BADGER HALL, M.A.
Assistant Professor of Modern Languages
- ERNEST MILTON HALLIDAY, Ph.D.
Associate Professor of Social Studies
- JOSEPH EARLE HARDEE, M.S.C.E.
Assistant Professor of Engineering Mechanics
- ARTHUR COURTENAY HAYES, M.S.
Associate Professor of Textiles
- J. LEON HELGUERA, M.A.
Instructor in History and Political Science
- ROBERT RAYMOND HENIZ, Ph.D.
Associate Professor of Chemistry
- WILLIAM NORWOOD HICKS, M.A., M.S.
Professor of Philosophy and Religion
- WILLIAM LAWRENCE HIGHFILL, Ph.D.
Assistant Professor of Philosophy and Religion
- THOMAS IRA HINES, M.A.
Professor of Industrial and Rural Recreation
- ABRAHAM HOLTZMAN, Ph.D.
Associate Professor of History and Political Science
- IVAN HOSTETLER, Ed.D.
Professor of Industrial Arts
- WILLIAM PRENTISS INGRAM, JR., M.S.
Assistant Professor of Chemistry
- ELMER HUBERT JOHNSON, Ph.D.
Associate Professor of Sociology and Anthropology
- JOSEPH CLYDE JOHNSON, Ed.D.
Associate Professor of Psychology
- WALTER EDWARDS JORDAN, M.S.
Associate Professor of Chemistry
- JAMES WARNER KLIBBE, B.S.
Assistant Professor of Textiles
- CHARLES FREDERICK KOLB, M.A.
Assistant Professor of History and Political Science
- BENJAMIN GRANADE KOONCE, JR., M.A.
Assistant Professor of English
- ARTHUR IRISH LADU, Ph.D.
Professor of English
- JOHN RALPH LAMBERT, Ph.D.
Associate Professor of Social Studies
- FORREST WESLEY LANCASTER, Ph.D.
Professor of Physics
- JAMES EDWARD LEGATES, Ph.D.
William Neal Reynolds Distinguished Professor of Field Crops and Professor of Animal Industry
- JACK LEVINE, Ph.D.
Professor of Mathematics
- CHARLES FREDERICK LEWIS, M.A.
Assistant Professor of Mathematics
- CHARLES HOWIE LITTLE, JR., M.A.
Assistant Professor of Mathematics

RICHARD HENRY LOEPPERT, Ph.D.
Associate Professor of Chemistry

JOSEPH THOMAS LYNN, M.S.
Associate Professor of Physics

ROBERT ARCHIBALD MACKERRACHER, M.A.
Assistant Professor of Mathematics

KIETH MCKEAN, Ph.D.
Professor of Social Studies

ARMSTRONG MALTBIE, B.A.
Assistant Professor of Mathematics

HENRY MOORE MIDDLETON, B.D., M.A.
Associate Professor of Philosophy
and Religion

HOWARD G. MILLER, Ph.D.
Professor of Psychology

LATHAM L. MILLER, M.A.
Associate Professor of Industrial
and Rural Recreation

ADOLPHUS MITCHELL, M.S.C.E.
Professor of Engineering Mechanics

REUBEN O. MOEN, Ph.D.
Professor of Economics

CHARLES C. MOREHEAD, Ph.D., Ed.D.
Associate Professor of Education

JOHN WESLEY MORGAN, M.S.
Instructor in Chemistry

WILLIAM EDWIN MOSER, B.S.
Associate Professor of Textiles

CAREY GARDNER MUMFORD, Ph.D.
Professor of Mathematics

RAYMOND LEROY MURRAY, Ph.D.
Professor of Physics

HOWARD M. NAHIKIAN, Ph.D.
Professor of Mathematics

SLATER E. NEWMAN, Ph.D.
Assistant Professor of Psychology

ARNOLD R. NOLSTAD, Ed.D.
Associate Professor of Mathematics

BERNARD MARTIN OLSEN, Ph.D.
Associate Professor of Economics

JAMES EDWIN PARDUE, B.S.
Associate Professor of Textiles

HUBERT VERN PARK, Ph.D.
Professor of Mathematics

DANIEL MCLEOD PETERSON, M.A.
Assistant Professor of Mathematics

HOWARD ALDRIDGE PIERCE, M.A.
Assistant Professor of Mathematics

VALENTIN ADOLF PIKNER, Ph.D.
Assistant Professor of Economics

NEWBERN E. PILAND, B.A.
Instructor in Economics

RICHARD F. PLACE, Ph.D.
Instructor in Social Studies

GEORGE WAVERLY POLAND, Ph.D.
Associate Professor of Modern
Languages

JOHN WILLIAM POUL, Ph.D.
Professor of Animal Industry

GLENN ORVILLE RANDALL, M.S.
Professor of Horticulture

HORACE DARR RAWLS, M.S.
Associate Professor of Sociology
and Anthropology

WILLIAM MILNER ROBERTS, Ph.D.
Professor of Animal Industry

DONALD JACOB RULES, Ph.D.
Associate Professor of English

PAUL JAMES RUST, Ph.D.
Assistant Professor of Psychology

CLARENCE CAYCE SCARBOROUGH, Ed.D.
Professor of Agricultural Education

EDWARD MARTIN SCHOENBORN, JR., Ph. D.
Professor of Chemical Engineering

LOUIS WALTER SEIGERS, A.M.
Associate Professor of History and
Political Science

PETER SHAHDAN, M.A.
Assistant Professor of Mathematics

ALFRED BERNARD ROWLAND SHELLEY, M.A.
Associate Professor of English

CLARENCE BONNER SHULENBERGER, M.A.
Professor of Economics

GEORGE WALLACE SMITH, D.Sc.
Professor of Mechanical Engineering

RUFUS HUMMER SNYDER, Ph.D.
Professor of Physics

HERBERT E. SPEECE, Ph.D.
Assistant Professor of Mathematics

CHARLES CARMEN STOTT, M.S.
Assistant Professor of Industrial
and Rural Recreation

JACK SUBERMAN, Ph.D.
Associate Professor of English

LOUIS HALL SWAIN, M.A.
Associate Professor of English

OLIVER GEORGE THOMPSON, M.A.
Assistant Professor of Economics

MURRAY P. THORNBURG, M.I.A.
Associate Professor of Education

ROBERT TINNEN TROXLER, M.I.A.
Assistant Professor of Industrial Arts

ARTHUR WALTER WALTNER, Ph.D.
Professor of Physics

FREDERICK GAIL WARREN, Ph.D.
Associate Professor of Animal Industry

GEORGE CARSON WATSON, M.A.
Associate Professor of Mathematics

RAYMOND CYRUS WHITE, Ph.D.
Associate Professor of Chemistry

H. PAGE WILLIAMS, M.A.
Professor of Mathematics

DAVID CLARKE WILLIS, M.S.
Instructor in Chemistry

JAMES B. WILSON, Ph.D.
Assistant Professor of Mathematics

SANFORD RICHARD WINSTON, Ph.D.
Professor of Sociology and
Anthropology

LOWELL SHERIDAN WINTON, Ph.D.
Professor of Mathematics

GEORGE HERMAN WISE, Ph.D.
William Neal Reynolds Distinguished
Professor of Animal Nutrition

THOMAS WILMOT WOOD, Ph.D.
Professor of Economics

ROBERT BAKER WYNNE, M.A.
Associate Professor of English

TALMAGE B. YOUNG, Ed.D.
Associate Professor of Industrial Arts

DIRECTORS OF SPECIAL PROGRAMS AND ACTIVITIES

AGRICULTURAL EXTENSION

Fred S. Sloan *Program Planning* 109 Ricks Hall

COLLEGE UNION

Gerald O. T. Erdahl *Director* 216 College Union

COUNSELING

Lyle B. Rogers *Director* 206 Holladay Hall

INSTITUTE OF STATISTICS

Gertrude M. Cox *Director* 110 Patterson Hall

LIBRARY

Harlan C. Brown *Director* 130 D. H. Hill Library

STUDENT ACTIVITIES

Banks C. Talley, Jr. *Director* 206 Holladay Hall

STUDENT HEALTH SERVICE

Dr. Joseph J. Combs Clark Hall

STUDENT HOUSING

Norbert B. Watts *Director* 207 Holladay Hall

TELEVISION

Roy J. Johnston *Director* WUNC-TV Building

THE COLLEGE

Founded by legislative act on March 7, 1887, North Carolina State College is the technological institution of the Consolidated University of North Carolina and is the State's Land Grant College. It is a full-fledged member of the National Association of Land Grant Colleges and State Universities and has established an international reputation as a teaching and research center.

State College is composed of seven schools: Agriculture, Design, Education, Engineering, Forestry, General Studies, and Textiles. Various institutes and divisions, the Agricultural Experiment Station with test farms in 16 localities, and the Agricultural Extension Service.

Undergraduate training is offered in the College's 48 departments, many of which are world-renowned for their work in the realm of technology. Graduate instruction is provided through the respective schools in 35 fields leading to the master's degree and in 18 fields leading to the degree of Doctor of Philosophy.

Hub of the College's vast operation is the central campus, located in the State's historic Capital City, where students have access to a rich reservoir of art treasures, library facilities, concerts, churches, and other cultural assets.

THE SUMMER SESSION

The Summer Session at North Carolina State College serves more than 3300 students in its two regular terms of six weeks each and in the nine-week program of the School of Design. With the exception of the School of Forestry which conducts a summer camp for sophomores, all of the College's seven schools offer on-campus courses during the Summer Session. Within the twelve-week period covered by the two terms, 32 departments provide work in more than 200 courses, 56 of which are in the area of graduate study.

The Summer courses are designed to fit the needs of regular students of the college who wish to advance their academic standing, of visiting students who are working toward degrees in other institutions, and of teachers who wish to earn credit toward the renewal of teaching certificates or toward advanced degrees. In addition, the Summer Session offers high school students planning to enroll in the College an opportunity to take required preparatory work in English and Mathematics.

Two special programs are offered during the summer months: a three-week program in Agricultural Extension given on the campus, and a regional graduate session in statistics given this year at Stillwater, Oklahoma. Inquiries concerning these programs should be addressed as indicated in the pertinent section of the catalogue; inquiries concerning the regular Summer Session should be addressed to The Director of Summer Sessions, Room 101 Pullen Hall, N. C. State College, Raleigh, N. C.

SPECIAL NOTE

All Summer Session applicants who are not now in residence at State College should complete and return the necessary forms attached at the end of this catalogue.



Pullen Hall
The Summer Session Office

All students planning to take courses in both terms of the Summer Session should plan their sequences in advance. Offerings in the second term are substantially less in number than in the first. No second term courses are offered by the School of Textiles nor by many of the departments in Agriculture and Engineering.

Everything possible will be done to insure that the courses listed in this catalogue will be given at the times indicated. The Director of the Summer Session reserves the right, however, to withdraw courses in which the enrollment is deemed to be insufficient.

ADMISSIONS

FRESHMEN

Entrance examinations are required of all students entering State College as freshmen or as students without college credit and of all transfer students who lack credit in either English or college algebra. Wherever possible, students in this category should take the College Entrance Examination Board Scholastic Aptitude Test, registering for the examination with the College Entrance Examination Board, Box 592, Princeton, New Jersey. Students

entering in June, 1958, must take the College Board Examination no later than March 15. Those entering in July may take the examination on May 18. Summer session entrants who, for good reason, have not been able to qualify for admission by means of the College Board Examination, may report to Room 202, Holladay Hall, at 8:30 a.m., on May 15, for a substitute examination.

TRANSFERS AND VISITING STUDENTS

Undergraduate students who have never attended State College, teachers, and others who are enrolling for the summer only *may* be required to furnish a transcript of their academic record. Former students who have attended other institutions since their last residence at North Carolina State College, undergraduate transfers who wish to enroll for a degree, and graduate students enrolling for the first time, *must* furnish official transcripts of their academic qualifications. Transfer students who lack credit in either English or college Algebra must take the required entrance examinations. (For details concerning the submission of transcripts, See REGISTRATION.)

COUNSELING SERVICE

The State College Counseling Center, located in Room 202 Holladay Hall, provides a special counseling service to new students in order to assist them in becoming oriented to the College and to aid them in choosing a field of study.

HOUSING

MEN

Dormitories for men are available for each of the summer terms. Bed linen and pillows are not furnished. Students should bring those items and any special equipment they may require. Students will normally be housed two in each room. There are no single rooms available. Forms for requesting dormitory rooms will be found at the end of the catalogue.

WOMEN

The College has no dormitory for women students. Co-eds must make their own housing arrangements. A list of available rooms for rent is maintained at the Dormitory Rental Office in Room 4, Holladay Hall.

EXPENSES

The following expenses apply for each of the regular six-week terms.

TUITION	\$ 7.50 per semester credit for North Carolina students. \$15.00 per semester credit for out-of-state students. \$ 7.50 for each course audited.
FEES	\$11.00 registration and other fees (A late fee of \$5.00 will be charged all students completing their registration after the designated date.)
ROOM	\$24.00 per person, plus a \$2.00 key deposit.
BOARD	Board is cafeteria style and the cost depends upon the individual student. A fair estimate would be about \$75.00 per term.
GRADUATION FEE	Any student who is completing requirements for graduation at the close of one of the summer terms will be charged a fee of \$9.00 if he is securing a Bachelor's degree, a fee of \$12.00 if he is completing work for a Master's degree, and a fee of \$17.00 if he is a candidate for the degree of Doctor of Philosophy. The Graduate School will also charge Doctor of Philosophy candidates a fee of \$20.00 for microfilming and mailing dissertations.

REGISTRATION

STATE COLLEGE STUDENTS

Students who completed the spring semester in residence should notify the Registration Office, between May 1 and May 15, of their intention to attend the summer session. Permits to register for the summer session may be picked up at the Registration Office at the north end of the ground floor of Holladay Hall on Saturday, June 7, Monday, June 9, and Tuesday, June 10. Permits for the

second term will be available in the Registration office on Saturday, July 19, Monday, July 21, and Tuesday, July 22. Instructions will be printed on the permits.

Former State College students who were not in residence during the spring semester should go to Room 10, Holladay Hall, to apply for readmission and to obtain their permits and instructions for registration. These students can save valuable time by writing to the Director of Admissions by May 1 (if possible) concerning their intention of returning for the summer session. Former students who have attended other institutions since their last residence at State College must have official transcripts sent to the Registration Office before registering for one of the summer terms.

VISITING STUDENTS

Undergraduate students from other colleges, teachers, and other students coming to State College for the summer only, should submit their *summer session* applications to the Director of Admissions, Holladay Hall, not later than May 28th prior to the opening of the summer session. A transcript of academic credits and other information attesting to the qualifications of the student may be required for completion of the application.

UNDERGRADUATE TRANSFERS

Undergraduate students who desire to become regularly enrolled for credit toward an undergraduate degree should write to the Director of Admissions for full information. Before their admission can be approved, they will need to fill out a *regular* application and have official transcripts sent directly to the Director of Admissions.

GRADUATE STUDENTS

Graduate students who desire to enroll for the first time in the Graduate School should write in advance to Dr. Donald B. Anderson, Dean of the Graduate School, and secure approval. Official transcripts of undergraduate and any previous graduate work will be required prior to registration for the Summer Session.

DIRECTIONS FOR REGISTRATION

Directions for registration will be given each student when he secures his permit to register from the Registration Office on the ground floor of Holladay Hall.

MAXIMUM CREDIT HOURS

The normal load for either term of summer session is six semester hours. Any student may carry less. Loads in excess of seven



hours must be approved by the Dean or Director of Instruction of the school in which the student is registered. Such approvals must be in writing on the original copy of the student's summer session roster of courses. The maximum load is twelve hours.

VETERANS under P. L. 346 must carry 4 semester hours and undergraduate VETERANS under P. L. 550 must carry five semester hours to qualify for full subsistence or payment. Graduate VETERANS under P. L. 550 should carry four semester hours for full subsistence. Veterans desiring benefits under P. L. 550 must fill out the required forms for the Veteran's secretary in the Coiseum at Registration or in Room 9, Holladay Hall immediately after Registration day.

THE COLLEGE LIBRARY

The D. H. Hill Library of North Carolina State College houses a collection of more than 170,000 volumes of books and bound journals. The collection has been developed to reflect the scientific and technical interests of the College, but materials in the arts and social sciences are also well represented. The Library subscribes to more than 2,100 current periodicals and contains over 12,000 bound volumes of documents from the Federal Government and the various Experiment Stations. The Library has been designated as one of the depositories for all unclassified publications of the Atomic Energy Commission and receives on exchange the publications of many foreign countries—especially those publications dealing with the agricultural sciences and with engineering.

A new, modern library building provides shelving for 400,000 volumes. Study carrells, conference rooms, and seminars are available for the students and faculty of the College. Equipment for the production of photographic copies and for microphotography is available and there is excellent equipment on hand for reading microfilms and microcards.

Students and faculty will find the College Library a useful and enjoyable adjunct to their Summer Session program, and will find the materials and services afforded to scholar, student, and browser a welcome discovery.

Library hours for the Summer Session are as follows:

Monday through Friday, 8:00 a.m. to 10:00 p.m.





THE COLLEGE UNION

The College Union

The center of summer activity is the College Union, one of the nations most modern social-cultural centers. All students on the campus are members and are invited to attend, free of charge, all programs sponsored by the summer school committee. Every member is welcome to join the committee and take part in planning the Union social-cultural program.

During the summer, the Union sponsors a variety of entertainment. Activities will probably include swimming, parties, square dances, patio dances, outings to the beach and to the mountains, picnics, outdoor movies, and a varied program of professional entertainment.

The College Union offers many facilities and services to members and their guests. Facilities for recreation and leisure include a music listening lounge, a television lounge, a gallery for the display of student art and craft, a photography lab, a craft shop, a library lounge, a billiard room, and a quiet room. Services include a barber shop, cloak room, snack bar, dining room, hotel rooms, meeting rooms, and a center where students may apply for work while attending college.

Building hours for the Summer are as follows:

Monday-Thursday	7:00 a.m. to 10:30 p.m.
Friday	7:00 a.m. to 11:00 p.m.
Saturday	8:00 a.m. to 6:00 p.m.
Sunday	12:00 noon to 6:00 p.m.

WUNC-TELEVISION



State College maintains one of the three studios of WUNC-Television, Channel 4, North Carolina's Educational Television operation. Similar studios, cooperating in the production of Channel 4's programming, are located at the University in Chapel Hill and at the Woman's College in Greensboro. Throughout the year, Channel 4 programs a variety of educational subjects including courses for credit—designed to aid teacher certification, informational series for continuing adult education, and programs dedicated to the advancement of cultural activities.

The WUNC-Television studio at Raleigh occupies a modern building on Western Boulevard directly west of the Campus and includes a complete complement of telecasting equipment for independent operation. Interested visitors are invited to inspect the studio and enjoy the summer programs.

SPECIAL PROGRAMS

AGRICULTURAL EXTENSION JUNE 30-JULY 18

North Carolina State College offers a special three-week training program for Extension workers. The program, established at the request of the Extension workers, is designed to give them an opportunity to pursue courses of study that will improve their ability in their chosen fields of endeavor.

Extension workers in agriculture and home economics participating in this program are enrolled in the School of Agriculture. A certificate of achievement is awarded each student completing two subjects with a grade of B or better.

Each person participating in the program will have an advisory committee to help select subjects and assist with other student problems. The College Library and the various departmental libraries are available to Extension workers enrolled in the program.

Further information and applications for enrollment may be obtained from F. S. Sloan, State Program Leader, North Carolina State College, Raleigh, N. C.

SOUTHERN REGIONAL GRADUATE SUMMER SESSIONS IN STATISTICS

(STILLWATER, OKLAHOMA)

JUNE 16-JULY 20

North Carolina State College in conjunction with the Virginia Polytechnic Institute, Oklahoma State University and the University of Florida, have agreed to operate a continued program of graduate summer sessions in statistics to be held at each institution in rotation. The 1957 program was held at the Virginia Polytechnic Institute. The 1958 session will be held at Oklahoma State University in Stillwater, Oklahoma.

The graduate program is designed to serve statisticians, research workers, teachers of statistics, marine scientists, engineers, biologists, social scientists, physical scientists, and mathematicians. Each of the sponsoring institutions will accept the credits earned by students during the summer sessions. Courses are arranged to provide consecutive work in successive summers so that those who wish can complete the course work for a Master's degree in statistics within three summers. The advanced courses will be accepted as part of the Ph.D. program.

The faculty for the graduate program includes outstanding statisticians and mathematicians from numerous universities and research groups. Of particular interest at the 1958 summer session will be six weekly symposia covering six important areas of statistics, with discussants being selected from major contributors to these areas.

All inquiries and applications should be directed to:
Carl E. Marshall, Director, Statistical Laboratory, Oklahoma State University, Stillwater, Oklahoma.



COURSES OFFERED

NOTE: PLEASE READ WITH CARE

1. Courses are listed by department, IBM symbol and numerical designator.
2. Semester hour credits for each course are given in parenthesis following the name of the course. An x before the semester hours indicates that the course carries no college credit.
3. Classes meet daily, Monday through Friday, except where specified to the contrary.
4. The symbols LR and LB before the clock hours refer to Lecture-Recitation and Laboratory hours respectively.
5. Hours of instruction and names of faculty are listed separately for each term except where hours for both terms coincide. In the latter case, the number in parenthesis following the name of an instructor indicates the term in which he will teach.
6. Class periods longer than 90 minutes provide sufficient time for a 10-minute break within the period.
7. In general, courses numbered from 1 through 100 are preparatory courses carrying no college credit; courses in the 100, 200, 300, and 400 series are primarily for undergraduates; courses in the 500 series for graduates and advanced undergraduates, and courses in the 600 series for graduates only.

AGRICULTURAL ECONOMICS

AGC 523 Farm Management II (3)

1st term. LR 8:00-9:00 LB 1:40-3:50 MTh

Mr. Coutu

ANIMAL INDUSTRY

AI 201 Elements of Dairy Science (4)

1st term. LR 8:00-9:30 LB 1:40-4:50 MW

Mr. Haig

AI 507 Topical Problems (3)

Both terms. Hours arranged

Staff

AI 600 Research in Animal Industry (arranged)

Both terms. Hours arranged

Staff

CHEMICAL ENGINEERING

CHE 311 Introductory Chemical Engineering (4)

1st term. LR 8:00-9:30 LB arranged

Staff

CHE 470 Chemical Engineering Projects (2)

Both terms. Hours arranged

Staff

CHE 570 Chemical Engineering Projects (1-3)

Both terms. Hours arranged

Staff

CHE 680 Chemical Engineering Research (1-3)

Both terms. Hours arranged

Staff

CHEMISTRY

CH 101 General Inorganic Chemistry (4) Messrs. Jordan (1), Morgan (2)

Both terms. LR 7:30-9:00 LB 1:40-5:50 WF

CH 103 General and Qualitative Chemistry (4) Messrs. White (1), Willis (2)

Both terms. LR 7:30-9:00 LB 1:40-5:50 MF or MW

CH 103L Semimicro Qualitative Analysis (1)

Both terms. LB 1:40-5:50 MF or MW

CH 203 General and Organic Chemistry (4) Messrs. Ingram (1), Loeppert (2)

Both terms. LR 10:20-11:50 LB 1:40-5:50 WF

CH 211	Quantitative Analysis (4) Volumetric analysis.	
<i>1st term.</i>	LR 7:30-8:30 LB 1:40-5:50 MTWT	Mr. Hentz
CH 212	Quantitative Analysis (4) Continuation of CH 211	
<i>2nd term.</i>	LR 7:30-8:30 LB 1:40-5:50 MTWT	Mr. Hentz
CH 215	Quantitative Analysis (4) A one semester course in Volumetric and Gravimetric analysis.	
<i>1st term.</i>	LR 10:20-11:50 LB 1:40-5:50 TT	Mr. Hentz
CH 451	Introductory Biochemistry (3)	
<i>1st term.</i>	LR 9:10-10:10 LB 1:40-5:50 TT	Mr. Ingram
CH 631	Chemical Research (arranged)	
<i>Both terms.</i>	Hours arranged	Graduate Staff

CIVIL ENGINEERING

CE 202	Surveying II (3)	
<i>1st term.</i>	LR 8:00-9:00 LB 1:30-5:00 TT	Mr. Cote

DAIRY MANUFACTURING

DM 604	Topical Problems in Dairy Manufacturing (arranged)	
<i>Both terms.</i>	Hours arranged	Staff
DM 605	Research in Dairy Manufacturing (arranged)	
<i>Both terms.</i>	Hours arranged	Staff

DESIGN

9-WEEK SESSION. All courses in Design run for nine weeks. Registration date is the same as that for the 1st term.

DN 102	Design II (3)	1:40-5:50	Mr. Bireline
DN 112	Descriptive Drawing II (2)	1:40-4:50 MFW	Mr. Bireline
DN 212	Descriptive Drawing IV (2)	1:40-4:50 MWF	Mr. Bireline
DN 312	Descriptive Drawing VI (2)	1:40-4:50 MWF	Mr. Bireline

ECONOMICS

EC 201	Economics (3) Fundamental principles	
<i>1st term.</i>	8:00-9:30 or 10:20-11:50	Messrs. Olsen, Pikner
<i>2nd term.</i>	8:00-9:30	Mr. Piland
EC 202	Economics (3) Fundamental principles	
<i>1st term.</i>	8:00-9:30	Mr. Pikner
<i>2nd term.</i>	10:20-11:50	Mr. Piland
EC 205	The Economic Process (3)	
<i>1st term.</i>	8:00-9:30 or 10:20-11:50	Staff
<i>2nd term.</i>	8:00-9:30	Mr. Piland
EC 312	Accounting for Engineers (3)	
<i>Both terms.</i>	10:20-11:50	Messrs. Shulenberger (1), Thompson (2)
EC 315	Salesmanship (2)	
<i>1st term.</i>	8:00-9:00	Mr. Fails
EC 401	Principles of Accounting (3)	
<i>1st term.</i>	8:00-9:30	Mr. Shulenberger
EC 402	Principles of Accounting (3)	
<i>1st term.</i>	10:20-11:50	Mr. Fails
<i>2nd term.</i>	8:00-9:30	Mr. Thompson
EC 407	Business Law (3)	
<i>1st term.</i>	10:20-11:50	Mr. Moen

EC 414	Tax Accounting (3)	
	<i>1st term.</i>	Hours arranged
EC 425	Industrial Management (3)	
	<i>1st term.</i>	8:00-9:30
	<i>2nd term.</i>	10:20-11:50
EC 426	Personnel Management (3)	
	<i>1st term.</i>	10:20-11:50
	<i>2nd term.</i>	8:00-9:30
EC 515	Investments (3)	
	<i>1st term.</i>	8:00-9:30
EC 540	Economic Development and Growth (3)	
	<i>1st term.</i>	10:20-11:50

Staff

Mr. Wood
Mr. Bartley

Mr. Wood
Mr. Bartley

Mr. Moen

Mr. Olsen

EDUCATION

ED 308	Visual Aids (2)	
	<i>1st term.</i>	LR 12:30-1:30 MWF IB 9:40-12:10 MW or TT; 12:30-3:00 TT
	<i>2nd term.</i>	Hours arranged
ED 314	Secondary Education (2)	
	<i>1st term.</i>	9:10-10:10
ED 410	Driver Education (3). The principles of teaching the basic driving skills, including the new concept of defensive driving, observance and interpretation of motor vehicle laws, adverse driving conditions, handling of accident situations, and care of the car.	
	<i>Both terms.</i>	8:00-9:30
ED 420	Principles of Guidance (2)	
	<i>1st term.</i>	8:00-9:00
ED 422	Methods of Teaching Industrial Subjects (3)	
	<i>1st term.</i>	12:00-1:30
ED 501	Education of Exceptional Children (3)	
	<i>1st term.</i>	8:00-9:30
ED 502	Analysis of Reading Abilities (3)	
	<i>1st term.</i>	10:20-11:50
ED 503	Improvement of Reading Abilities (3)	
	<i>1st term.</i>	8:00-9:30
ED 509	Special Education Workshop (3-6). Combines a practicum in special education with work on individual projects in a workshop situation.	
	<i>1st term.</i>	Hours arranged.
ED 510	Advanced Driver Education (3). The study of course content in present day driver education courses; evaluation of research literature in driver education; a study of existing driver education programs at both secondary and college level; and evaluation of psychological and educational research in accidents.	
	<i>1st term.</i>	Hours arranged.
ED 521	Organization of Related Study Materials (2). The principles of selecting and organizing both technical and general related instructional material for trade extension and diversified occupations classes.	
	<i>1st term.</i>	1:40-3:00
ED 527	Philosophy of Industrial Education (2)	
	<i>1st term.</i>	9:10-10:10
ED 528	Principles and Practices in Diversified Occupations (2)	
	<i>1st term.</i>	10:20-11:20

Mr. Thornburg

Mr. Thornburg

Mr. Thornburg

ED 530	Group Guidance (3)	
	<i>1st term.</i> 10:20-11:50	Mr. Morehead
ED 554	Planning Programs of Vocational Agriculture (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Scarborough
ED 558	Special Problems in Agricultural Education (3)	
	<i>2nd term.</i> Hours arranged	Mr. Scarborough
ED 563	Effective Teaching (3)	
	<i>1st term.</i> 10:20-11:50	Mr. Scarborough
ED 615	Introduction to Education Research (3)	
	<i>1st term.</i> 1:40-3:10	Mr. Morehead
ED 619	Seminar in Industrial Arts (4)	
	<i>1st term.</i> Hours arranged	Mr. Hostetler
ED 621	Research in Agricultural Education (3)	
	<i>Both terms.</i> Hours arranged	Mr. Scarborough
ED 624	Research in Industrial Arts Education (max. 6)	
	<i>1st term.</i> Hours arranged	Mr. Hostetler
ED 631	Educational and Vocational Guidance (3)	
	<i>1st term.</i> Hours arranged	Messrs. Anderson and Morehead
ED 635	Administration and Supervision of Industrial Arts (2)	
	<i>1st term.</i> 8:00-9:30	Mr. Hostetler
ED 641	Field Work in Guidance (3-6)	
	<i>Both terms.</i> Hours arranged	Messrs. Anderson and Morehead
ED 665	Supervised Student Teaching (3)	
	<i>2nd term.</i> Hours arranged	Mr. Scarborough

ELECTRICAL ENGINEERING

EE 202	Elementary Circuits and Fields (4). Offered only in a 12-week sequence. The course counts for 2 semester-hours in calculating loads for each term. Students should register for the <i>complete</i> course at registration for the <i>first</i> term, noting the 12-week sequence on their rosters.	
	<i>Both terms in sequence.</i> LR 9:10-10:10 or 10:20-11:20 LB 1:00-3:00 MTh or 1 F; 1:00-3:00 W and 3:00-5:00 Th	
EE 213	Elementary Circuits and Fields Laboratory (4). Enrollment is restricted to those who have passed EE 211 by correspondence.	
	<i>1st term.</i> 3:00-5:00 MTW LB Arranged (13 sessions)	
EE 302	Intermediate Circuits and Fields (3)	
	<i>1st term.</i> 8:00-9:30	Staff
EE 650	Electrical Engineering Research (arranged)	
	<i>Both terms.</i> Hours arranged	Staff

ENGINEERING MECHANICS

EM 311	Mechanics I—Statics (3)	
	<i>1st term.</i> 8:00-9:30 or 10:20-11:50	Messrs. Brinson and Smith
	<i>2nd term.</i> 8:00-9:30	Messrs. Hardee and Mitchell
EM 312	Mechanics II—Dynamics (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Mitchell
	<i>2nd term.</i> 10:20-11:50	Messrs. Hardee and Mitchell
EM 321	Strength of Materials I (3)	
	<i>1st term.</i> 10:20-11:50	Messrs. Hardee and Mitchell
EM 430	Fluid Mechanics (2)	
	<i>1st term.</i> 8:00-9:00	Mr. Hardee

ENGLISH

- ENG 100 English Refresher (x3). A course for students deficient in English.
1st term. 8:00-9:30 or 10:20-11:50 Miss Griffin, Mr. Suberman
2nd term. 8:00-9:30 Messrs. Goldsmith and Clark
- ENG 111 Composition (3)
1st term. 8:00-9:30 or 10:20-11:50 Miss Griffin, Mr. Swain
2nd term. 10:20-11:50 Mr. Koonce
- ENG 112 Composition (3)
Both terms. 8:00-9:30 or 10:20-11:50 Staff
- ENG 205 Reading for Discovery (3)
Both terms. 8:00-9:30 or 10:20-11:50 Staff
- ENG 211 Business Communications (3)
Both terms. 10:20-11:50 Messrs. Shelley (1), Fountain (2)
- ENG 231 Basic Speaking Skills (3)
1st term. 8:00-9:30 Mr. Swain
2nd term. 8:00-9:30 or 10:20-11:50 Messrs. Fountain and Wynne
- ENG 324 Advanced Grammar (3). An intensive study of English grammar with attention to the historical development of the language and with special emphasis on contemporary usage.
1st term. 8:00-9:30 Mr. Suberman
- ENG 366 American Mind II (3). The background of contemporary American literature and thought, from Mark Twain to Hemingway and Faulkner.
1st term. 8:00-9:30 Mr. Ladu
- ENG 382 Short Prose Fiction (3). The study of selected short stories by the most representative of contemporary British and American writers.
2nd term. 8:00-9:30 Mr. Wynne

HISTORY

- HI 205 The Modern Western World (3). A history of major movements in the Western World from the Renaissance to the present.
1st term. 8:00-9:30
- HI 251 The United States to 1865 (3)
1st term. 10:20-11:50
- HI 252 The United States since 1865 (3)
2nd term. 10:20-11:50
- HI 261 The United States in Western Civilization (3)
2nd term. 8:00-9:30
- HI 226 Modern Europe (3). A study of the political, economic, intellectual, and social developments in Europe from 1815 to the present.
2nd term. 8:00-9:30
- HI 375 Latin America (3)
2nd term. 10:20-11:50 Mr. Helguera

HORTICULTURE

- HRT 222 Introduction to Horticulture (3)
1st term. 8:00-9:30 Mr. Gardner
- HRT 301 Plant Propagation (3)
1st term. LR 8:00-9:00 LB 1:40-4:20 MW Mr. Randall
- HRT 342 Landscape Gardening (3)
1st term. LR 10:20-11:20 LB 1:40-4:20 TT Mr. Randall

INDUSTRIAL ARTS

1A 104	Industrial Arts Drawing (3)	
	<i>2nd term.</i> 7:30-10:10	Mr. Troxler
1A 107	General Woodwork (3)	
	<i>1st term.</i> 7:30-10:10	
1A 108	General Woodwork (3)	
	<i>1st term.</i> 1:40-4:20	
	<i>2nd term.</i> 10:20-1:00	Mr. Troxler
1A 206	General Metalwork (3)	
	<i>1st term.</i> 7:30-10:10	Mr. Young
1A 207	General Metalwork (3)	
	<i>2nd term.</i> 7:30-10:10	Mr. Young
1A 307	General Electricity (3)	
	<i>1st term.</i> 10:20-1:00	Mr. Young
1A 308	Industrial Arts Electronics (3)	
	<i>2nd term.</i> 10:20-1:00	Mr. Young
1A 315	General Ceramics (3)	
	<i>2nd term.</i> 10:20-1:00	Mr. Hostetler
1A 570	Laboratory Problems in Industrial Arts (max. 6)	
	<i>1st term.</i> Hours arranged	
1A 575	Special Problems in Industrial Arts (max. 6)	
	<i>1st term.</i> Hours arranged	

INDUSTRIAL ENGINEERING

1E 201	Industrial Engineering I (3)	
	<i>1st term.</i> 8:00-9:30	Staff
1E 217	Machine Tools (1)	
	<i>1st term.</i> LB 1:40-4:20 MW or TT	Staff

MATHEMATICS

MA 1	Plane Geometry (x3)	
	<i>Both terms.</i> 10:20-11:50	
MA 2	Review Algebra (x4)	
	<i>Both terms.</i> 8:00-10:10 or 10:20-12:30	
MA 4	Solid Geometry (x2)	
	<i>1st term.</i> 8:00-9:00, 10:20-11:20 or 1:40-2:40	
	<i>2nd term.</i> 8:00-9:00 or 10:20-11:20	
MA 101	Mathematics for Engineers I (5)	
	<i>1st term.</i> 7:30-10:10 or 10:20-1:00	
	<i>2nd term.</i> 7:30-10:10	
MA 102	Mathematics for Engineers II (4)	
	<i>Both terms.</i> 8:00-10:10 or 10:20-12:30	
MA 111	Algebra and Trigonometry (4)	
	<i>1st term.</i> 8:00-10:10 or 10:20-12:30	
	<i>2nd term.</i> 8:00-10:10	
MA 112	Analytic Geometry and Calculus A (4)	
	<i>1st term.</i> 8:00-10:10 or 10:20-12:30	
	<i>2nd term.</i> 10:20-12:30	
MA 122	Mathematics of Finance and Elementary Statistics (4)	
	<i>1st term.</i> 8:00-10:10	
	<i>2nd term.</i> 8:00-10:10 or 10:20-12:30	

MA 201	Calculus I (4)	
	<i>1st term.</i> 8:00-10:10 or 10:20-12:30	
	<i>2nd term.</i> 10:20-12:30	
MA 202	Calculus II (4)	
	<i>Both terms.</i> 8:00-10:10 or 10:20-11:50	
MA 211	Analytic Geometry and Calculus B (3)	
	<i>1st term.</i> 7:30-9:00	
MA 212	Analytic Geometry and Calculus B (3)	
	<i>1st term.</i> 7:30-9:00	
MA 401	Differential Equations (3)	
	<i>1st term.</i> 8:00-9:30 or 10:20-11:50	
	<i>2nd term.</i> 8:00-9:30	
MA 405	Introduction to Determinants and Matrices (3)	
	<i>1st term.</i> 10:20-11:50	Mr. Nahikian
MA 501	Numerical Analysis I (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Park
MA 511	Advanced Calculus I (3)	
	<i>1st term.</i> 10:20-11:50	Mr. Levine
MA 511a	Advanced Calculus I (3)	
	<i>2nd term.</i> 12:00-1:30	Mr. Levine
MA 512	Advanced Calculus II (3)	
	<i>2nd term.</i> 12:00-1:30	Mr. Park
MA 514	Boundary Value Problems (3)	
	<i>2nd term.</i> 10:20-11:50	Mr. Winton
MA 532	Advanced Differential Equations (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Clarkson
MA 541	Vector Analysis (3)	
	<i>1st term.</i> 10:20-11:50	Mr. Winton
MA 611	Complex Variable Theory (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Mumford
MA 622	Vector Spaces and Matrices (3). Prerequisite: MA 511	
	Introduction to matrices; vector spaces; equivalence, rank, inverse or matrices; determinants; congruence; quadratic forms; polynomials over a field; similarity; characteristic roots.	
	<i>2nd term.</i> 8:00-9:30	Mr. Nahikian
MA 641	Calculus of Variations (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Winton

MECHANICAL ENGINEERING

ME 102	Engineering Graphics (2)	
	<i>1st term.</i> LB 8:00-10:10 or 10:20-12:30	
ME 302	Engineering Thermodynamics (3)	
	<i>1st term.</i> 8:00-9:30 or arranged	
ME 306	Mechanical Engineering Laboratory (1)	
	<i>1st term.</i> LB 1:40-5:50 TT or arranged	

MODERN LANGUAGES

ML 103	Elementary German (3)	
	<i>1st term.</i> 8:00-9:30	Mr. Allred
ML 104	German Prose and Grammar (3)	
	<i>2nd term.</i> 8:00-9:30	Mrs. Hall

ML 205 Spanish Prose (3)	
1st term. 8:00-9:30	Mr. Poland
ML 206 Spanish Prose (3)	
2nd term. 8:00-9:30	Mr. Ballenger
ML 401 Introduction to Scientific French (3)	
1st term. 10:20-11:50	Mr. Poland
ML 402 Introduction to Scientific French (3)	
2nd term. 10:20-11:50	Mr. Ballenger
ML 403 Introduction to Scientific German (3)	
1st term. 10:20-11:50	Mr. Alfred
ML 404 Introduction to Scientific German (3)	
2nd term. 10:20-11:50	Mrs. Hall

PHILOSOPHY

PHI 201 Logic (3). Language as a symbol system, the formal structure of reasoning, and characteristics of empirical knowledge; emphasis on the establishment of more adequate reflective habits.	
1st term. 8:00-9:30	Mr. Cole
2nd term. 12:00-1:30 or 1:40-3:10	Mr. Bradner
PHI 205 Problems and Types of Philosophy (3)	
1st term. 7:30-9:00	Mr. Fitzgerald
PHI 305 Philosophy of Religion (3). Psychological and historical roots of religious belief; science, philosophy, and religion; the rational foundations of theism; the concept of God in Western thought.	
1st term. 10:20-11:50	Mr. Fitzgerald
PHI 306 Philosophy of Art (3). Theory of beauty and aesthetic experience, analysis of specific media of artistic expression, and the formulation of a philosophy of art which relates the beautiful and the useful.	
1st term. 12:00-1:30	Mr. Bredenberg
PHI 309 Marriage and Family Living (3)	
1st term. 7:30-9:00, 8:00-9:30 or 10:20-11:50	Mr. Hicks and staff
2nd term. 8:00-9:30 or 10:20-11:50	Mr. Middleton
PHI 395 Philosophical Analysis (3)	
1st term. 8:00-9:30	Mr. Bredenberg
PHI 401 Foundations of Science (3). Nature and validity of knowledge, basic concepts of modern science, scientific method, and the implications of the philosophy of modern science for ethics, social philosophy, and the nature of reality.	
1st term. 12:00-1:30	Mr. Cole

PHYSICAL EDUCATION

PE 101 Physical Education (1) Both terms.	Hours arranged
PE 102 Physical Education (1) Both terms.	Hours arranged
PE 201 Physical Education (1) Both terms.	Hours arranged
PE 202 Physical Education (1) Both terms.	Hours arranged
PE 301 Physical Education (1) Both terms.	Hours arranged
PE 302 Physical Education (1) Both terms.	Hours arranged
PE 303 Physical Education (1) Both terms.	Hours arranged
PE 304 Physical Education (1) Both terms.	Hours arranged

All classes meet for one hour. Courses numbered in the 300 series are elective for juniors and seniors.

Activities to be offered:

Angling: A course designed to teach the fundamentals of bait casting, fly casting, and spinning and the general knowledge necessary to angling.

- Badminton: A course designed to give the student a thorough knowledge of the fundamental strokes and a general knowledge of the history, rules, and basic strategy of the game.
- Golf: A course designed to teach the skills and knowledge basic to the game of golf.
- Softball: A course designed to include the fundamentals, history, and rules of the game.
- Swimming: A general course designed to give the student competence in the four basic strokes and two dives.
- Tennis: A course designed to give the student a thorough knowledge of the fundamental strokes and a general knowledge of the history, rules, and basic strategy of the game.
- Volleyball: A course designed to include the fundamentals, history, and rules of the game.

PHYSICS

- PY 201 General Physics (5). Co-requisite MA 201.
A study of General Physics in which an analytical approach to the Principles of Physics is used. Mechanics, sound, and heat.
1st term. LR 8:00-10:10 LB 1:40-3:50 TT
2nd term. LR 10:20-12:30 LB 1:40-3:50 MW
- PY 202 General Physics (5). Continuation of PY 201. Electricity, light, and modern Physics.
1st term. LR 8:00-10:10 or 10:20-12:30 LB 1:40-3:50 MW or TT
2nd term. LR 8:00-10:10 or 10:20-12:30
LB 1:40-3:50 MW or TT, or 4:00-6:10 TT
- PY 211 General Physics (4). Prerequisite MA 111. Mechanics and heat.
1st term. LR 8:00-9:30 or 10:20-11:50 LB 1:40-3:50 MW or TT
2nd term. LR 8:00-9:30 LB 1:40-3:50 MW or TT
- PY 212 General Physics (4). Continuation of PY 211. Sound, light, and electricity.
1st term. LR 8:00-9:30 LB 1:40-3:50 TT
2nd term. LR 8:00-9:30 LB 1:40-3:50 MW
- PY 407 Introduction to Modern Physics (3)
1st term. 8:00-9:30
- PY 410 Nuclear Physics 1 (4)
1st term. LR 10:20-11:50 LB 1:40-3:50 TT Mr. Waltner
- PY 621 Kinetic Theory of Gases (3)
1st term. 10:20-11:50 Mr. Davis
- PY 630 Homogeneous Reactor Design (3)
1st term. 10:20-11:50 Mr. Murray
- PY 670 Seminar (1)
Both terms. Hours arranged Mr. Murray (1)
- PY 690 Research (1-6)
Both terms. Hours arranged

POLITICAL SCIENCE

- PS 201 The American Governmental System (3)
1st term. 8:00-9:30 Mr. Holtzman
- PS 401 American Parties and Pressure Groups (3)
1st term. 10:20-11:50 Mr. Holtzman

POULTRY SCIENCE

- PO 201 Poultry Production (4)
1st term. LR 10:20-11:50 LB 1:40-4:20 TT Mr. Brown

PSYCHOLOGY

- PSY 200 Introduction to Psychology
1st term. 8:00-9:30 or 10:20-11:50 or 12:00-1:30
2nd term. 8:00-9:30 or 10:20-11:50
- PSY 302 Psychology of Personality and Adjustment (3)
1st term. 1:40-3:10
- PSY 304 Educational Psychology (3)
1st term. 1:40-3:10 Mr. Newman
- PSY 337 Industrial Psychology (3)
1st term. 8:00-9:30 Mr. Gray
- PSY 476 Adolescent Psychology (2)
1st term. 9:10-10:10 Mr. Johnson
- PSY 535 Tests and Measurements (3)
1st term. 10:20-11:50 Mr. Johnson
- PSY 550 Mental Hygiene in Teaching (3)
1st term. 12:00-1:30 Mr. Barkley
- PSY 609 Psychological Clinic Practicum (3)
 Clinical participation in interviewing, counseling, psychotherapy and administration of psychological tests. Practicum to be concerned with college students, adults, and children.
1st term. Hours arranged Mr. Corter
- PSY 610 Applied Implications of Learning Theory (3)
1st term. Hours arranged Messrs. Johnson and Newman
- PSY 612 Seminar in Industrial Psychology (3)
1st term. Hours arranged Mr. Miller
- PSY 613 Research in Psychology (3)
1st term. Hours arranged

RECREATION

- REC 152 Introduction to Recreation (3)
Both terms. 8:00-9:30 Mr. Hines
- REC 251 Social Recreation I (3)
1st term. LR 8:00-9:00 LB arranged Mr. Crawford
- REC 252 Social Recreation II (3)
1st term. LR 9:10-10:10 LB arranged Mr. Crawford
2nd term. LR arranged Mr. Crawford
- REC 253 Principles of Physical Education (3)
Both terms. 10:20-11:50 Mr. Hines
- REC 333 First Aid and Safety (2)
2nd term. LR 8:00-9:00 LB arranged Mr. Stott
- REC 353 Camp Organization and Leadership (3)
2nd term. LR 9:10-10:10 LB arranged Mr. Stott
- REC 470 Supervised Practice (6). This course is given on a 9-week basis.
9-week term. LR arranged LB arranged Mr. Crawford

RELIGION

- REL 403 Religions of the World (3)
 Background, general characteristics, and basic teachings of the major living religions of the world; consideration of contemporary secular movements that are in a sense religions.
1st term. 12:00-1:30 Mr. Highfill

SOCIAL STUDIES

- SS 301 Contemporary Civilization (3)
Both terms. 8:00-9:30 or 10:20-11:50 Messrs. Halliday (1), Place (1),
 Edwards (2)
- SS 302 Contemporary Civilization (3)
1st term. 10:20-11:50 Mr. Place
2nd term. 8:00-9:30 or 10:20-11:50 Mr. Cole
- SS 491 Contemporary Issues (3)
Both terms. 8:00-9:30 or 10:20-11:50 Messrs. McKean (1), Lambert (1),
 Elliott (2)
- SS 492 Contemporary Issues (3)
2nd term. 8:00-9:30 or 10:20-11:50 Mr. Gullette

SOCIOLOGY AND ANTHROPOLOGY

- SOC 202 Man and Society (3)
1st term. 8:00-9:30 or 10:20-11:50
2nd term. 8:00-9:30 Mr. Collins
- SOC 301 Human Behavior (3)
1st term. 8:00-9:30 or 12:00-1:30
- SOC 303 Current Social Problems (3)
2nd term. 12:00-1:30 Mr. Collins
- SOC 304 Contemporary Family Life (3)
1st term. 12:00-1:30
- SOC 401 Human Relations in Industrial Society (3)
Both terms. 10:20-11:50

STATISTICS

- ST 511 or ST 515 Experimental Statistics I (4)
1st term. LR 10:20-11:50 LB arranged
- ST 512 or ST 516 Experimental Statistics II (3)
2nd term. LR 10:20-11:50 LB arranged

TEXTILE CHEMISTRY

- TC 301 Textile Chemistry II (3)
1st term. LR 10:20-11:50 MTWT LB 1:40-4:50 MW Mr. Hayes
- TC 421 Fabric Finishing I (2)
1st term. 8:00-9:30 MTWT Mr. Hayes

TEXTILES—FABRIC DEVELOPMENT

- TX 151 Fabric Principles (2)
1st term. LR 8:00-10:10 TT LB 10:20-12:30 TT Messrs. Berry or Klibbe
- TX 251 Weaving II (3)
1st term. LR 8:00-10:10 TT LB 1:40-3:50 MWF Messrs. Berry or Klibbe
- TX 261 Fabric Structure (3)
1st term. LR 8:00-10:10 MWF LB 10:20-12:30 MWF Mr. Klibbe
- TX 351 Weaving III (3)
1st term. LR 8:00-10:10 MWF LB 10:20-12:30 MWF Mr. Moser
- TX 361 Dobby Design I (3)
1st term. LR 8:00-10:10 TT LB 10:20-1:00 TT Messrs. Berry or Moser
- TX 461 Dobby Design II (3)
1st term. LR 8:00-10:10 MWF LB 10:20-12:30 MWF Mr. Berry
- TX 451 Weaving IV (1)
1st term. LB 1:40-3:50 MWF Messrs. Moser or Berry

TEXTILES—FIBER AND YARN TECHNOLOGY

- TX 201 Yarn Manufacture II (4)
1st term. 8:00-10:10 Mr. Pardue
- TX 301 Yarn Manufacture III (4)
1st term. 10:20-12:30 Mr. Pardue
- TX 425 Microscopy (1)
1st term. Hour arranged

TEXTILES—KNITTING TECHNOLOGY

- TX 241 Knitting I (3)
1st term. LR 10:20-11:20 LB 1:40-3:10 MWF Mr. Middleton
- TX 483 Textile Cost Methods (2)
1st term. 8:00-10:10 Mr. Middleton

ZOOLOGY

- ZO 571 Advanced Wildlife Management, Special Studies (arranged)
Both terms. Hours arranged
- ZO 611 Animal Ecology, Special Studies (arranged)
Both terms. Hours arranged
- ZO 641 Research in Zoology (arranged)
Both terms. Hours arranged

DIRECTIONS TO SUMMER SESSION APPLICANTS

All applicants for the Summer Session who are not now in residence at State College *must* fill out Forms A and B. All visiting students (those who will not apply for admission to the College in the fall semester) *must* also fill out Form C. Applicants who wish dormitory reservations should fill out Form D.

Form A (APPLICATION FOR COURSE ENROLLMENT) should be sent to The Director of Summer Sessions, Room 101, Pullen Hall, N. C. State College, Raleigh, N. C.

Form B (GENERAL INFORMATION) should be sent to The Director of Admissions, Holladay Hall or, if mailed in conjunction with form A, to the Director of the Summer Sessions.

Form C (APPLICATION FOR ADMISSION) should be handled in the same way as Form B.

Form D (REQUEST FOR DORMITORY ROOM RESERVATION) *must* be forwarded with remittance to the Director of Dormitories, Room 4, Holladay Hall, and to no other office.

APPLICATION FOR COURSE ENROLLMENT

This form is designed to assist you in securing a place in the courses of your choice. It does not constitute a guarantee of admission to the College. Return the completed form to the Director of Summer Sessions. If, after you have returned the form, you decide not to attend the Summer Sessions or wish to change the courses, notify the Director as soon as possible.

NAME

Last

First

Middle

(Mr., Miss, Mrs.)

MAILING

ADDRESS

Street and number

City

State

For each course you plan to take, list the IBM symbol and numerical designator (CH 101, for example), the name of the course, and the hours at which you plan to take it.

FIRST TERM

SYMBOL

COURSE NAME

HOURS DESIRED

SECOND TERM

Give the name and location of the High School from which you graduated or are now attending

Name

Location

Year of
graduation

List all colleges attended with dates and degrees:

College

Degree

Year

Signature

GENERAL INFORMATION NEEDED FROM SUMMER SESSION APPLICANTS

If you will fill in the blanks below, it will help us to know how to process your application.

NAME (Last) (First) (Middle) (Jr., Miss, Mrs.)

PERMANENT ADDRESS (Number and Street) (City) (State)

PRESENT MAILING ADDRESS
(If different from above)

Have you ever attended N. C. State College before? When?

How were you classified? Do you plan to enroll as a regular

student (expecting to continue during the regular school year which begins in September)?

SPECIAL NOTE: If you plan to attend our summer session only (and not enroll for the regular session later), please fill out the reverse side of this form. If you plan to continue here during our regular school year, we will send you a formal application.

FORM B.

APPLICATION FOR ADMISSION TO NORTH CAROLINA STATE COLLEGE SUMMER SESSION

(Do not fill out this blank if you wish to apply for admission and continue to attend this institution during the regular school year, September to June.)

NAME: (Last Name) (First Name) (Middle Name) (Mr., Miss, Mrs.)

(Permanent)
HOME ADDRESS (Number and Street) (City) (State)

HAVE YOU GRADUATED FROM HIGH SCHOOL? LAST COLLEGE ATTENDED

HAVE YOU EVER ATTENDED N. C. STATE COLLEGE? WHEN?

ARE YOU ENROLLING FOR CREDIT TOWARD A DEGREE AT N. C. STATE COLLEGE?

WHEN DO YOU DESIRE TO ENTER?

ARE YOU ENROLLING FOR GRADUATE CREDIT? SPECIAL NOTE: Students registering for the first time for graduate work must secure the approval of the Dean of the Graduate School. Such students will not use this application blank.

IF YOU DESIRE A COPY OF YOUR SUMMER RECORD FORWARDED ELSEWHERE, PLEASE GIVE THE ADDRESS TO WHICH IT SHOULD BE SENT
I UNDERSTAND THAT MY ENROLLMENT IN THE SUMMER TERM DOES NOT GIVE ME ANY PRIORITY TO CONTINUE IN COLLEGE THIS SEPTEMBER.

CLASSIFICATION (Not to be filled in by student) (Student's Signature) DATE

**NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING
RALEIGH**

REQUEST FOR DORMITORY ROOM RESERVATION

Print
Full
Name

Street

City

I desire to reserve a dormitory room for the six-week SUMMER Session beginning _____ 1958.
(check)

I am enclosing (money order) in the amount of \$26.00 in full payment of dormitory room rent and key deposit for the six-week Summer Session.

Dormitory
Preference:

Roommate
Preference:

(Signature of Applicant) Class: Fr. So. Jr. Sen. Grad.

Date

School:

CONDITIONS OF RESERVATION

1. Full payment of room rent is required in order to reserve a dormitory room. Remittance must be made payable to North Carolina State College and be mailed to the Dormitory Rental Office, Room 4, Holladay Hall, N. C. State College, Raleigh, N. C. No room assignment will be made until payment is received.
2. Refund of room rent will be made if reservation is cancelled as follows:
 - a. PRIOR TO the first day of the SUMMER Session registration period, the rent paid will be refunded less the \$5 room reservation fee.
 - b. DURING the registration period, the rent paid will be refunded less the \$5 room reservation fee OR a charge of \$1 per day (whichever amount is greater) from the first day of the registration period (or date of reservation, whichever is later) to date of cancellation.
 - c. AFTER the last day for registration, NO REFUND will be made for any reason other than WITHDRAWAL from College.

Cancellation of room reservation must be made in person or in writing to the Director of Dormitories, Room 4, Holladay Hall, N. C. State College, Raleigh, N. C.
3. This reservation is subject to dormitory and student government regulations.



1 to 24 25 to 51 52 to 71

LIBRARY

11.5 HIGHWAY 141
 11.5 HIGHWAY 141
 11.5 HIGHWAY 141

HILL ROAD
 11.5 HIGHWAY 141
 11.5 HIGHWAY 141

100 ft

36

CLARENDON PARKWAY

UNIVERSITY DRIVE

QUINN AVENUE

JOAN ALLEN DRIVE

ROCKY BRANCH

POWER LINE

FULLERTON PARK

MAIDEN LANE

ENTERPRISE

LIBRARY

LIBRARY

LIBRARY

LIBRARY

LIBRARY

LIBRARY

INDEX TO MAP

A.A.A. Building	50
Agr. Economics	35
Agr. Engineering	50
Agr. Extension	32
Agr. Dean	35
Agromony	43
Alumni Secretary	2
Animal Husbandry	39
Architecture	29
Athletics	58
Auditorium	10
Biology	44
Book Store	8
Botany	44
Building Supt.	21
Business Office	1
Cafeteria	14
Ceramics Eng.	18
Chancellor	1
Chemical Eng.	26
Chemistry	30
Civil Eng.	28
Coliseum	58
College Engineer	31
College Extension	31
Cotton	43
Dairy Research	39
Dean of Students	1
Design, Dean	37
Diesel Eng.	29
Dorm. Office	1
Economics	9
Education, Dean	15
Electrical Eng.	27
Engineering, Dean	26
Engineering Drawing	23
Engineering Mechanics	26
Engineering Research	25
English	10
Entomology	44
Ethics	9
Field Crops	43
Forestry, Dean	49

Foundations General Studies, Dean

Genetics	9
Geology	44
Graduate School	11
History	44
Home Demonstration	9
Horticulture	32
Industr. Arts	49
Industr. Engineering	15
Infirmary	26
Landscapc Design	52
Laundry	29
Library	20
Marketing	40
Mathematics	35
Mechanical Engr	15
Military Dept.	38
Modern Language	42
Navy R.O.T.C.	9
Nuclear Reactor	68
Physical Education	34
Physics	56
Plant Pathology	29
Poultry	44
Print Shop	46
Psychology	63
Purchasing	15
Registrar	1
Rural Sociology	1
Sanitary Eng.	31
Service Dept.	28
Shops	21
Sociology	22
Statistics	9
Supplies	35
Textiles, Dean	21
Textile Research	51
Tobacco	51
U. S. Post Office	43
Veterans Adm.	36
Vetville	1
Visual Aids	64
Wood Prod. Lab.	32
Y.M.C.A.	70
Zoology	13

1. Holladay Hall	1
2. Alumni Hall	9
3. Welch Hall	44
4. Gold Hall	11
5. Fourth Hall	44
6. Brooks Hall	9
7. First Hall	32
8. Watauga Hall	49
9. Peele Hall	15
10. Pullen Hall	26
11. Primrose Hall	52
12. Syme Hall	29
13. Y.M.C.A.	20
14. Leazer Hall	40
15. Tompkins Hall	35
16. Field House	15
17. Riddick Field	38
18. Ceramics	42
19. Power Plant	9
20. Laundry	68
21. Warehouse	34
22. Park Shops	56
23. Page Hall	29
24. Winston Hall	44
25. Eng. Research	46
26. Riddick Lab. Bldg.	63
27. Electrical Eng.	15
28. Civil Engineering	1
29. Daniels Hall	1
30. Withers Hall	31
31. 1911 Building	28
32. Ricks Hall	21
33. Under construction	22
34. Nuclear Reactor	9
35. Patterson Hall	35

36. U. S. Post Office	1
37. Diesel Eng. Bldg.	9
38. Broughton Hall	44
39. Polk Hall	11
40. D. H. Hill Library	44
41. U. S. Bureau of Mines	9
42. Agronomy Greenhouses	32
43. Williams Hall	49
44. Gardner Hall	15
45. Student Union	26
46. Scott Hall	52
47. Bot. & Zool. Gr. Hus.	29
48. Horticulture Gr. Hus.	20
49. Kilgore Hall	40
50. Mangum Hall	35
51. Clark Hall	15
53. Berry Hall	38
54. Bagwell Hall	42
55. Becton Hall	9
56. Thompson Gym	68
57. Parking Area	34
58. Reynolds Coliseum	56
59. Alexander Hall	29
60. Turlington Hall	44
61. Owen Hall	46
62. Tucker Hall	63
63. Printing Shop	15
64. Vetville	1
65. Track Bleachers	1
66. Baseball Field	31
67. Tennis Courts	28
68. U.S.N.R. Armory	21
69. N.Y.A. Group	22
70. Forestry Lab.	9
71. Practice Fields	35

